



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**Impact Precious Wood, Inc.**  
**5701 NW 74 Ave, Suite A**  
**Miami, FL 33166**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** Series "Double & Single" Outswing Wood Casement Windows – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. 11-109, titled "Double & Single Out-Swing Casement Windows", sheets 1 through 10 of 10, dated 03/30/2006 with revision "1" dated 11/10/2011, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P. E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant.

**LABELING:** Each unit shall bear a permanent label with manufacturer's name or logo, Bogota D.C., Colombia, model/ series and following statement: "Miami-Dade County Product Control Approved" unless otherwise noted herein.

**REVISION** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews** NOA No. 06-0809.03 and consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



*J. Gascon*  
1/12/12

NOA No. 11-0817.11  
Expiration Date: October 12, 2016  
Approval Date: January 19, 2012  
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **11-109**, titled "Double & Single Out-Swing Casement Windows", sheets 1 through 10 of 10, dated 03/30/2006 with revision "1" dated 11/10/2011, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit, Jr., P. E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, Side-Hinged Door Systems,  
per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of Mahogany Out-Swinging Entrance Doors, prepared by Fenestration Testing Laboratory, Inc. Test Reports No.'s **FTL-4560** and **FTL-4552**, dated 07/20 and 12/05/2005, all signed and sealed by Edmundo Largaespada, P.E.  
*(Submitted under previous NOA No. 06-0809.03)*
2. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of Mahogany Out-Swinging Entrance Doors, prepared by Hurricane Engineering Testing, LLC, Test Reports No.'s **HETI-04-1923A** and **HETI-04-1923B**, dated 10/05 and 11/11/2004, all signed and sealed by Ivonne Ghia, P.E.  
*(Submitted under previous NOA No. 06-0809.03)*

**C. CALCULATIONS**

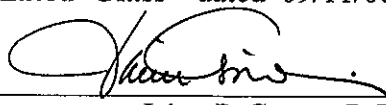
1. Anchor verification calculations and structural analysis, complying with FBC, prepared by Tilteco, Inc., dated 04/20/2006, signed and sealed by Walter A. Tillit, Jr., P. E.
2. **Glazing complies with ASTM E1300-98/ 02**  
*(Submitted under previous NOA No. 06-0809.03)*

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **08-0709.04** issued to Nebula Glass International dba Glasslam N.G.I., Inc. for their "**Safety-Plus II Laminated Glass**" dated 09/11/08, expiring on 08/07/13.

  
Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 11-0817.11  
Expiration Date: October 12, 2016  
Approval Date: January 19, 2012

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS (CONTINUED)**

2. Notice of Acceptance No. **10-0331.02** issued to Cytec Industries, Inc. for their “**Uvekol S Laminated Glass Interlayer**”, dated 05/05/10, expiring on 02/08/14.

**F. STATEMENTS**

1. Statement letter of conformance and compliance with the FBC-2010 and ANSI/ AAMA/ NWWDA 101/ I.S.2-97, dated 11/16/2011, signed and sealed by Walter A. Tillit, Jr., P. E.
2. Statement letter of no financial interest, conformance and compliance with the FBC-2007, dated 08/11/2011, signed and sealed by Walter A. Tillit, Jr., P. E.
3. Distributor Agreement between **Colmad, Ltda.**, Bogota, D.C., Colombia and **Impact Precious Wood, Inc.**, Miami, Florida, USA, dated 11/16/2011, signed by Marebel Reyes Bustos and Ruth V. Giraldo, respectively.
4. Laboratory compliance letter for Test Reports No.'s **FTL-4560** and **FTL-4552**, issued by Fenestration Testing Laboratory, Inc., dated 07/20 and 12/05/2005, all signed and sealed by Edmundo Largaespada, P. E.  
*(Submitted under previous NOA No. 06-0809.03)*
5. Laboratory compliance letter for Test Reports No.'s **HETI-04-1923A** and **HETI-04-1923B**, issued by Hurricane Engineering Testing, LLC, dated 10/05 and 11/11/2004, all signed and sealed by Ivonne Ghia, P. E.  
*(Submitted under previous NOA No. 06-0809.03)*
6. Proposal issued by Product Control, dated 07/26/2005, signed by Jaime D. Gascon, P. E.  
*(Submitted under previous NOA No. 06-0809.03)*

**G. OTHERS**

1. Notice of Acceptance No. **06-0809.03**, issued to Impact Precious Wood, Inc. for their Series “Double & Single Out-Swing Wood Casement Windows – L.M.I.”, approved on 10/12/2006 and expiring on 10/12/2011.



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 11-0817.11  
Expiration Date: October 12, 2016  
Approval Date: January 19, 2012

## GENERAL NOTES AND SPECIFICATIONS:

1. FENESTRATIONS SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAVE BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE **2007 & 2010** EDITIONS OF THE FLORIDA BUILDING CODE (FBC). FENESTRATIONS MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODES, USING ASCE 7-05 STANDARD FOR INSTALLATIONS UNDER 2007 FBC & ASCE 7-10 FOR INSTALLATIONS UNDER 2010 FBC AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATING INDICATED ON NOTE 2 BELOW. IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-10 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D) DESIGN PRESSURE RATINGS INDICATED ON NOTE 2.  
IN ORDER TO VERIFY THAT ANCHORS ON THIS P.A.D., AS TESTED, WERE NOT OVER STRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS **NOT** USED IN THEIR ANALYSIS.  
THESE FENESTRATION'S ADEQUACY FOR IMPACT AND CYCLIC RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION **1626** OF THE ABOVE MENTIONED CODES AS PER PROTOCOLS TAS-201, TAS-202, TAS-203, PER FTL REPORTS No. 4752 AND 4560, AND HETI REPORTS No. 04-1923A, 04-1923B AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTION 1612 OF THE FLORIDA BUILDING CODE.

2. **MAXIMUM (ALLOWABLE STRESS DESIGN=A.S.D) DESIGN PRESSURE RATING IS: +60.0 psf., -65.0 psf WITH REQUIRED HARDWARE AS PER ELEVATIONS SHOWN ON SHEETS 2, 3 & 4.**

3. THESE FENESTRATIONS ARE APPROVED FOR AIR/WATER INFILTRATION.

4. ALL COMPONENTS SHALL BE AS PER BILL OF MATERIALS ON SHEET 5.

5. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE BUILDING STRUCTURE. WOOD BUCKS MUST BE SOUTHERN PINE WITH A MINIMUM SPECIFIC DENSITY  $G=0.55$ . WOOD BUCKS MUST SUSTAIN LOADS IMPOSED BY FENESTRATIONS AND TRANSFER THEM TO THE BUILDING STRUCTURE AND TO BE REVIEWED BY BUILDING OFFICIAL.  
PROVIDE 1/4" MAX. LOAD BEARING SHIM SPACE (TYP.), WHEN ALLOWED BY THIS DRAWING.

6. ALL FRAME MEMBERS SHALL BE ANCHORED TO EXISTING STRUCTURE FOLLOWING SPECS INDICATED ON SHEETS 2, 3, 4 & 9, AS APPLICABLE.

7. **THESE FENESTRATIONS WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.**

8. FENESTRATION'S MANUFACTURER LABEL SHALL BE PLACED ON A READILY VISIBLE LOCATION. ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABEL SHALL READ AS FOLLOWS:  
IMPACT PRECIOUS WOOD, INC.  
MIAMI, FLORIDA.  
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

9. FENESTRATIONS INSTALLATION SHALL STRICTLY COMPLY WITH SPECS INDICATED ON THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.

10. ALL FENESTRATIONS COMPONENT EDGES WHICH REMAIN IN CONTINUOUS CONTACT WITH THE BUILDING SHALL BE SEALED/CAULK TO PREVENT WIND/RAIN INTRUSION. CAULK AND SEAL ALL AROUND FULL LENGTH.

11. (a) THIS P.A.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEViate FROM THE P.A.D.

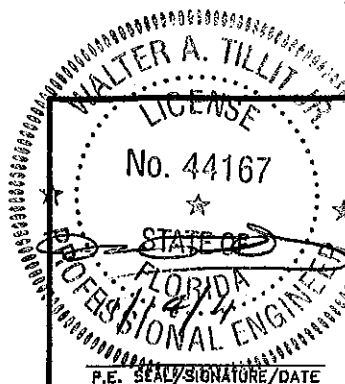
(b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.A.D., PROVIDED HE/SHE DOES NOT DEViate FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(c) THIS P.A.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

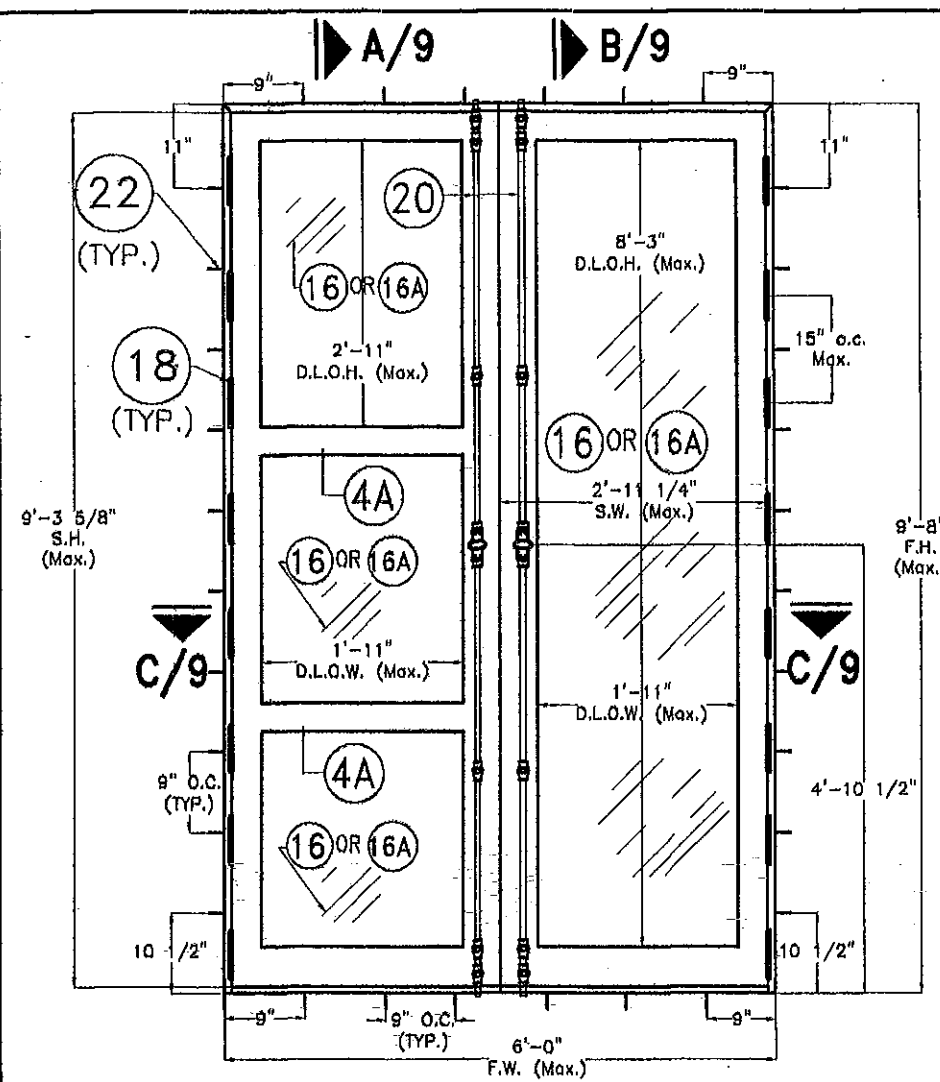
(d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (P.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.A.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW IN ADDITION TO A MANDATORY SUBMITTAL TO MIAMI-DADE COUNTY BUILDING CODE COMPLIANCE OFFICE FOR EITHER A PRODUCT APPROVAL REVISION OR A ONE TIME APPROVAL.

(e) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

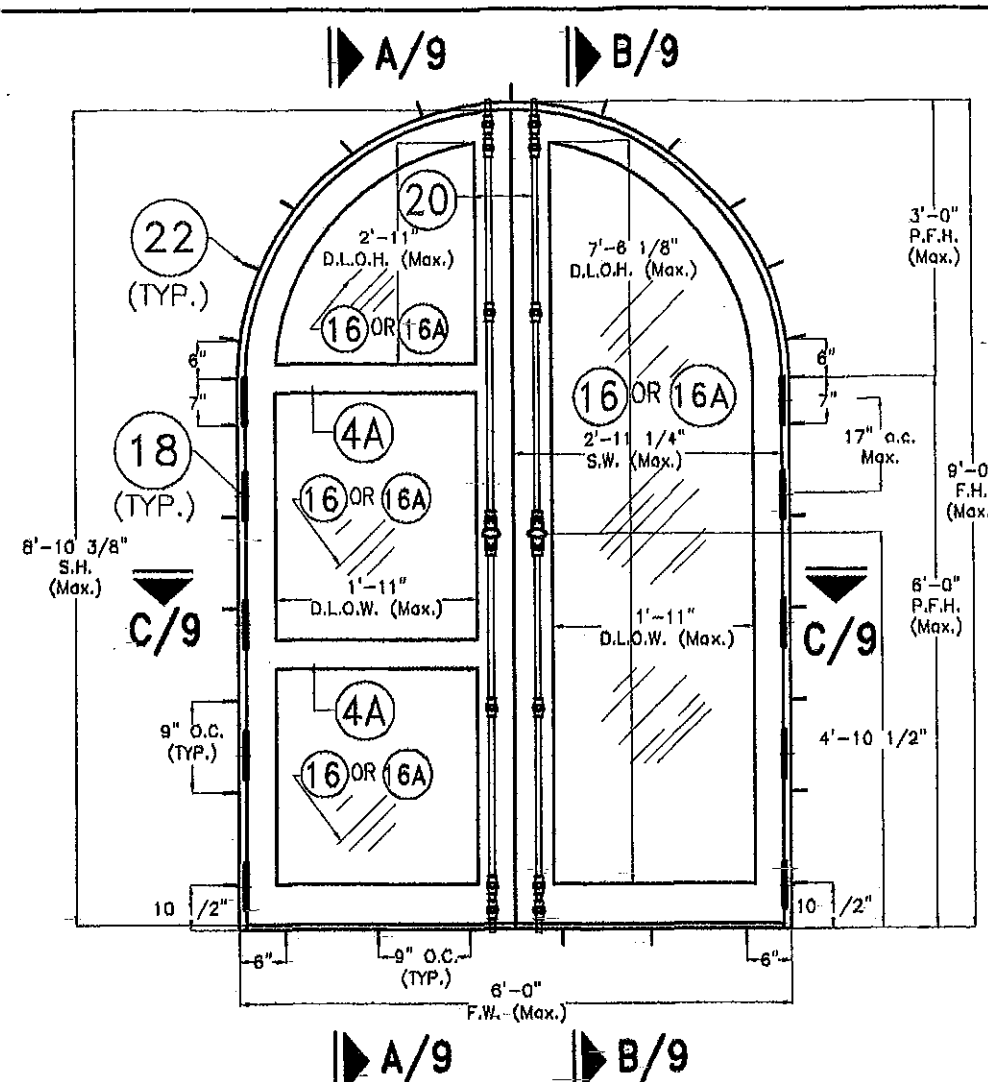
PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. **11-0817.11**  
Expiration Date **10/1/2016**  
By *[Signature]*  
Miami Dade Product Control



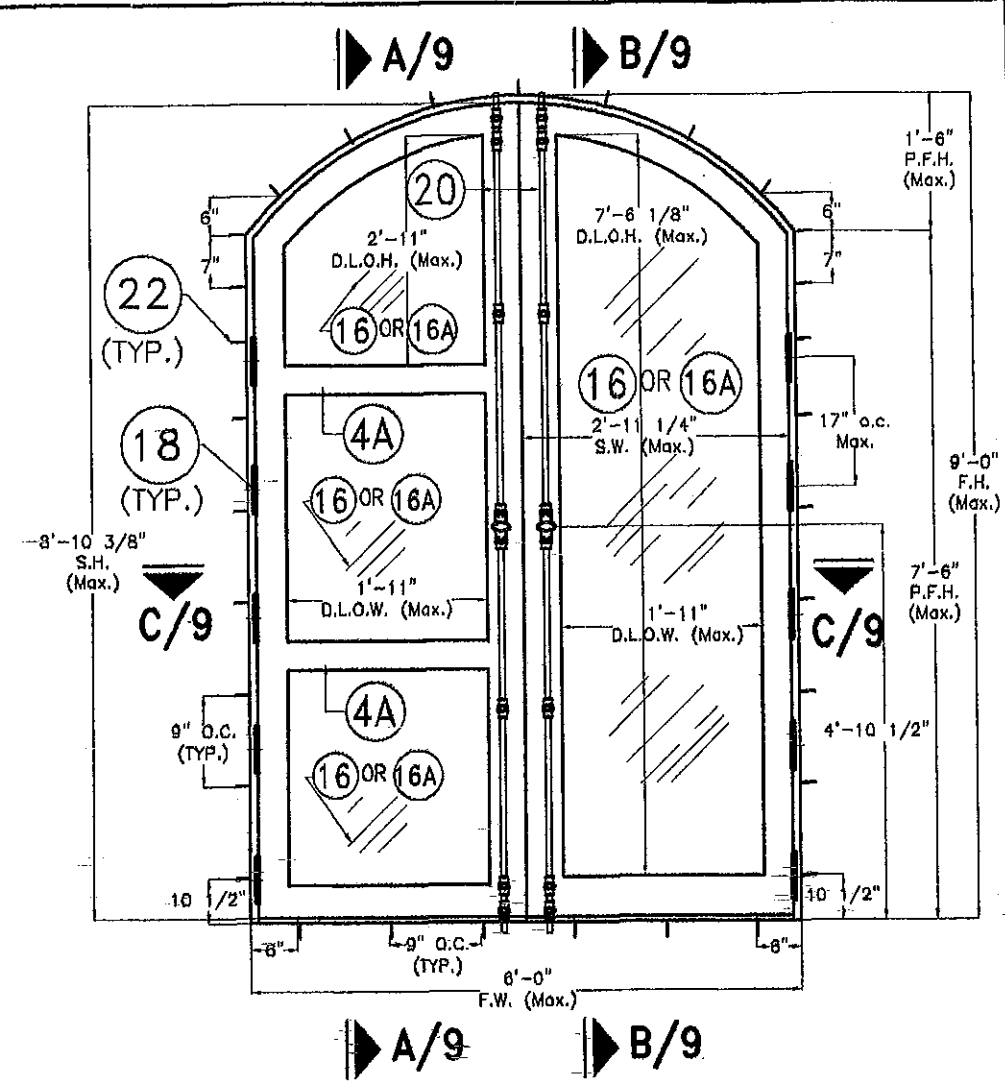
FLORIDA BUILDING CODE (High Velocity Hurricane Zone)					
<b>TILTECO INC.</b> TILLIT TESTING & ENGINEERING COMPANY 6365 N.W. 38th St., Ste. 305 - VIRGINIA GARDENS, FL 33166 Phone: (305) 871-1530, Fax: (305) 871-1931 e-mail: tilteco@aol.com EB-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167				<b>DOUBLE &amp; SINGLE OUTSWING CASEMENT WINDOWS</b>	
				<b>IMPACT PRECIOUS WOOD, INC.</b> 5701 NW 74 AVE, #A MIAMI, FL 33166 PH: (786) 222-0427, FAX: (305) 428-3011	
REV #		DESCRIPTION	DATE	REV #	DESCRIPTION
1	OLD 11-079	11/10/11	3	-	-
2	-	-	4	-	-
				R.E./A.G. DRAWN BY:  11/10/11 DATE:  11-109 DRAWING N°  SHEET 1 OF 10	



**REGULAR OUTSWING  
CASEMENT WINDOWS  
(XX)**



**FULL ARCHED OUTSWING  
CASEMENT WINDOWS  
(XX)**  
**INTERIOR ELEVATIONS  
N.T.S.**



**ELLIPTICAL OUTSWING  
CASEMENT WINDOWS  
(XX)**

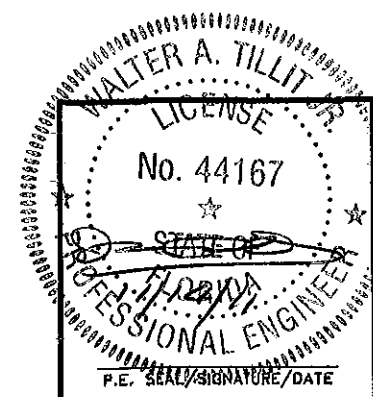
**PREFIX LEGEND:**

- F.W. : FRAME WIDTH
- F.H. : FRAME HEIGHT
- S.W. : SASH WIDTH
- S.H. : SASH HEIGHT
- D.L.O.W. : DAYLIGHT OPENING WIDTH
- D.L.O.H. : DAYLIGHT OPENING HEIGHT
- P.F.H. : PARTIAL FRAME HEIGHT

**MAX. (A.S.D.) DESIGN PRESSURE RATING:  
DOUBLE CASEMENT WINDOWS  
WITH THREE POINT CREMONES (20)**

POSITIVE	60 psf
NEGATIVE	65 psf

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 11-0817.11  
Expiration Date 12/12/2016  
By *[Signature]*  
Miami Dade Product Control



©2011 TILTECO INC.

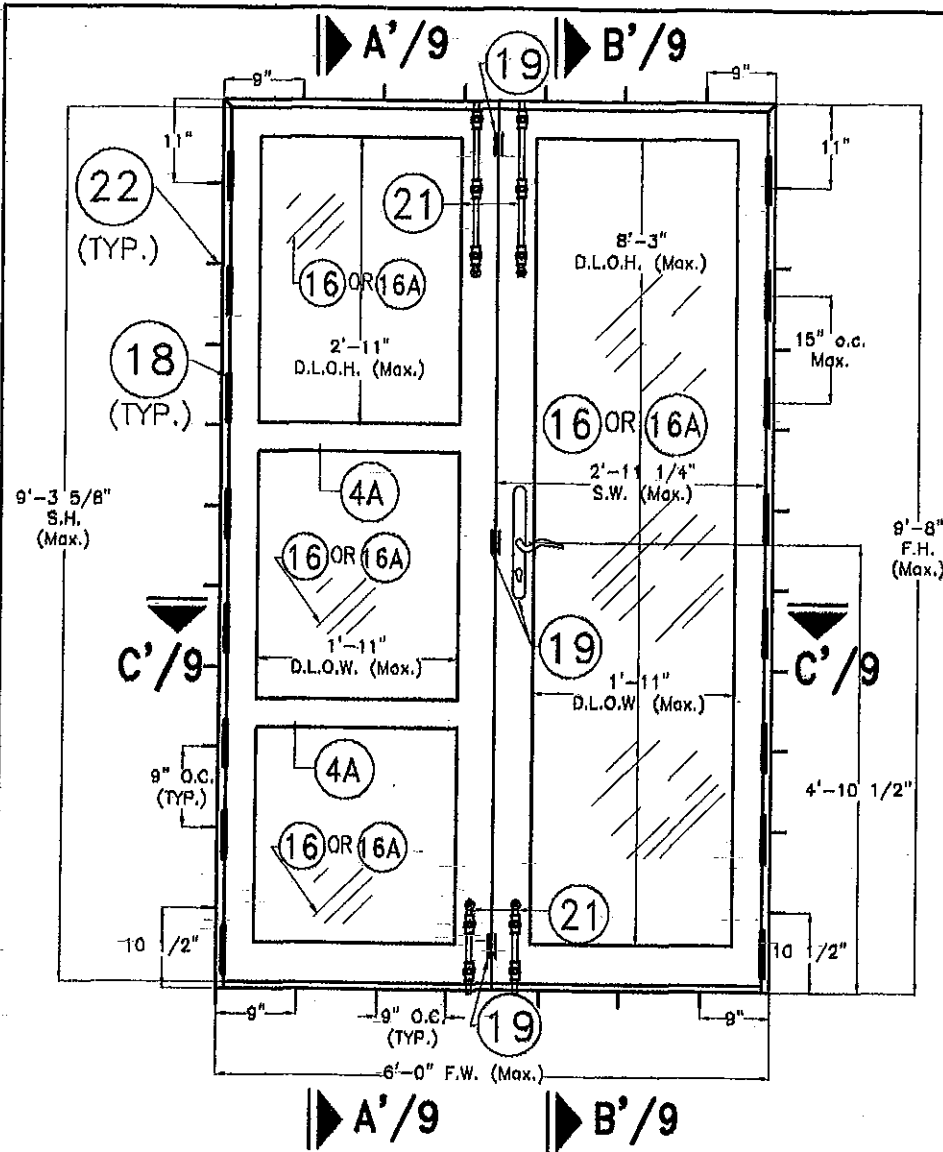
**TILTECO INC.**

TILLIT TESTING & ENGINEERING COMPANY  
6355 N.W. 38th St., Ste. 305 - VIRGINIA GARDENS, FL 33166  
Phone : (305) 871-1530, Fax : (305) 871-1531  
e-mail: tilteco@aol.com  
EB-0008719  
WALTER A. TILLIT Jr., P.E.  
FLORIDA Lic. # 44167

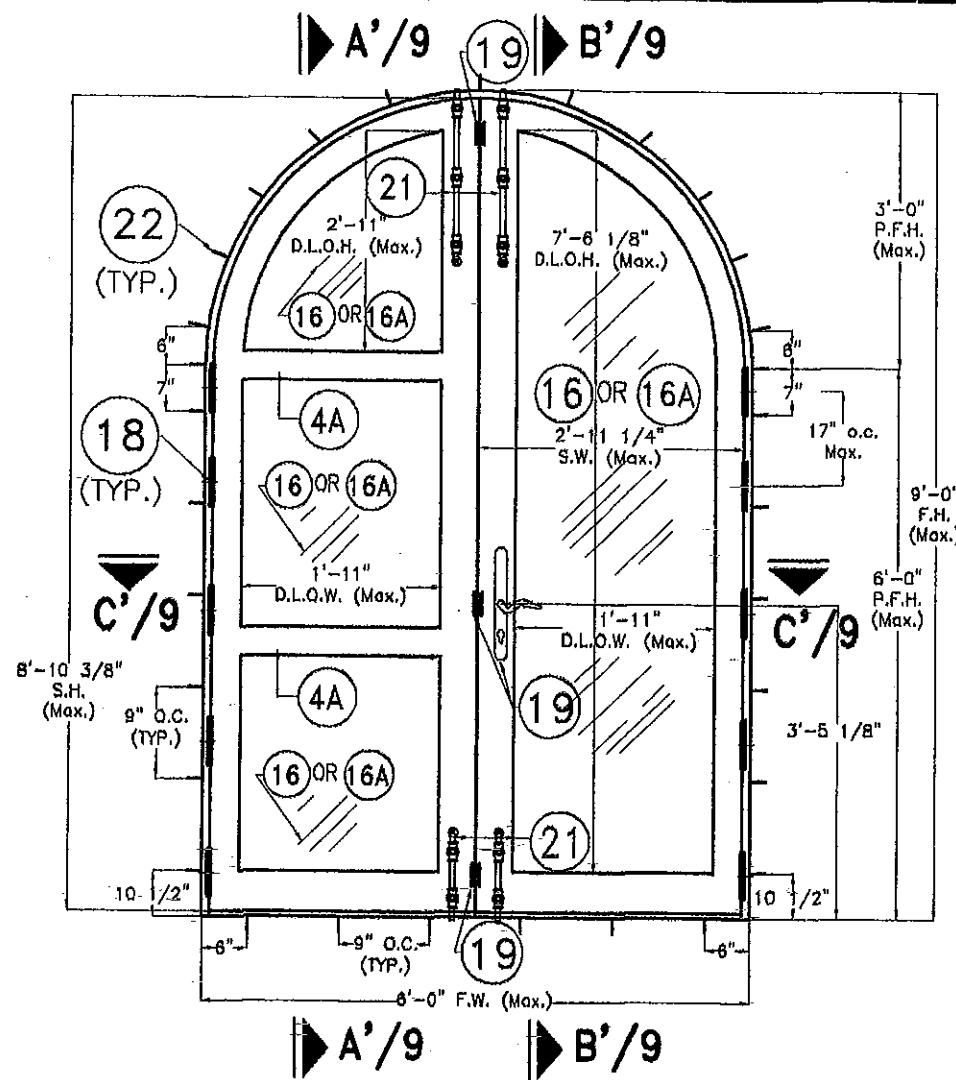
**FLORIDA BUILDING CODE (High Velocity Hurricane Zone)**

DOUBLE & SINGLE OUTSWING CASEMENT WINDOWS			R.E./A.G. DRAWN BY:		
IMPACT PRECIOUS WOOD, INC.			11/10/11 DATE:		
5701 NW 74 AVE, #A MIAMI, FL 33166 PH: (786) 222-0427, FAX: (305) 428-3011			11-109 DRAWING N°		
REV N°	DESCRIPTION	DATE	REV N°	DESCRIPTION	DATE
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2	-	-	4	-	-

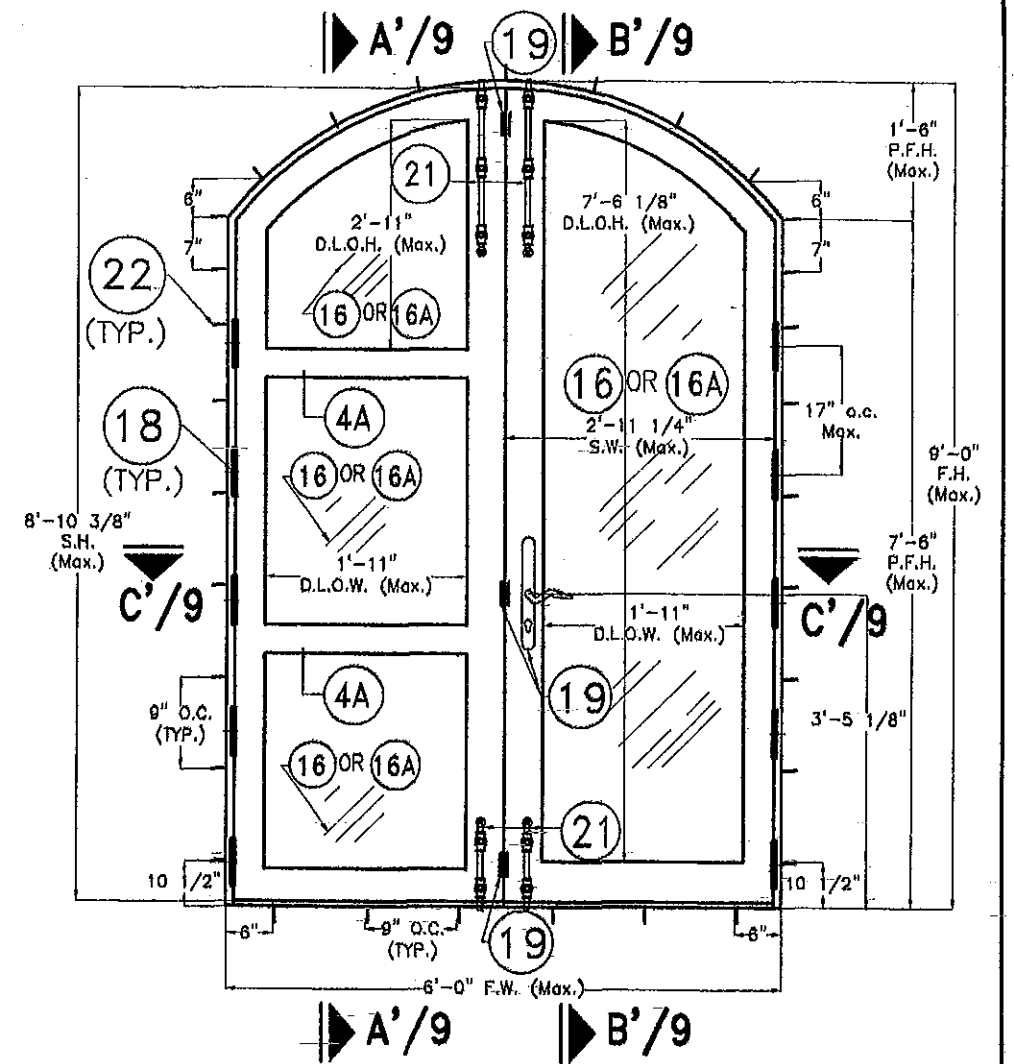
SHEET 2 OF 10



**REGULAR OUTSWING  
CASEMENT WINDOWS**  
(XX)



**FULL ARCHED OUTSWING  
CASEMENT WINDOWS**  
(XX)



**ELLIPTICAL OUTSWING  
CASEMENT WINDOWS**  
(XX)

**INTERIOR ELEVATIONS**  
N.T.S.

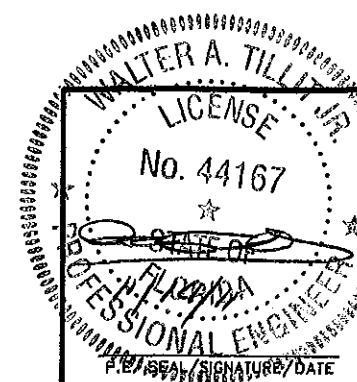
**PREFIX LEGEND:**

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- S.H. : SASH HEIGHT
- D.L.O.W. : DAYLIGHT OPENING WIDTH
- D.L.O.H. : DAYLIGHT OPENING HEIGHT
- P.F.H. : PARTIAL FRAME HEIGHT

MAX. (A.S.D.) DESIGN PRESSURE RATING:  
DOUBLE CASEMENT WINDOWS WITH  
(4) CREMONE SURFACE BOLTS (21)  
+ 3 POINT LOCK (19)

POSITIVE	60 psf
NEGATIVE	65 psf

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 11-08/7.11  
Expiration Date 10/12/2016  
By *[Signature]*  
Miami Dade Product Control



©2011 TILTECO INC.  
**TILTECO INC.**  
TILLIT TESTING & ENGINEERING COMPANY  
6355 N.W. 36th St., Ste. 303 - VIRGINIA GARDENS, FL 33166  
Phone: (305) 871-1530, Fax: (305) 871-1531  
e-mail: tilteco@aol.com  
EB-0006719  
WALTER A. TILLIT JR., P.E.  
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

DOUBLE & SINGLE OUTSWING  
CASEMENT WINDOWS

**IMPACT PRECIOUS WOOD, INC.**

5701 NW 74 AVE, #A  
MIAMI, FL 33166  
PH: (786) 222-0427, FAX: (305) 428-3011

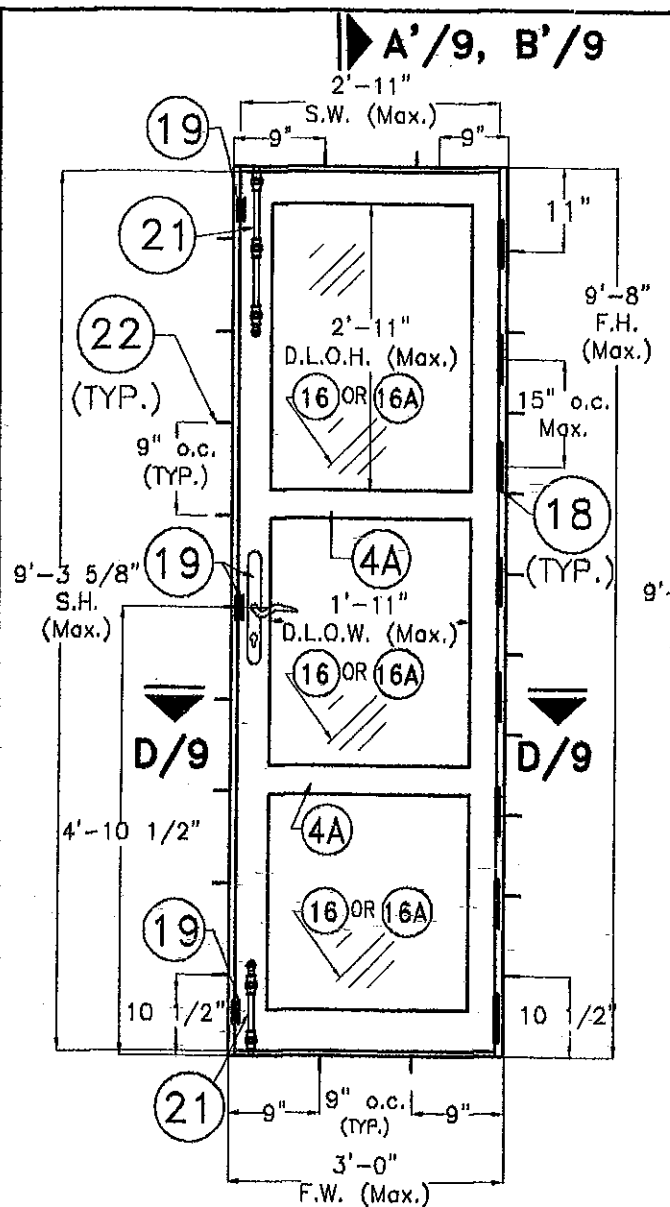
R.E./A.G.  
DRAWN BY:

11/10/11  
DATE:

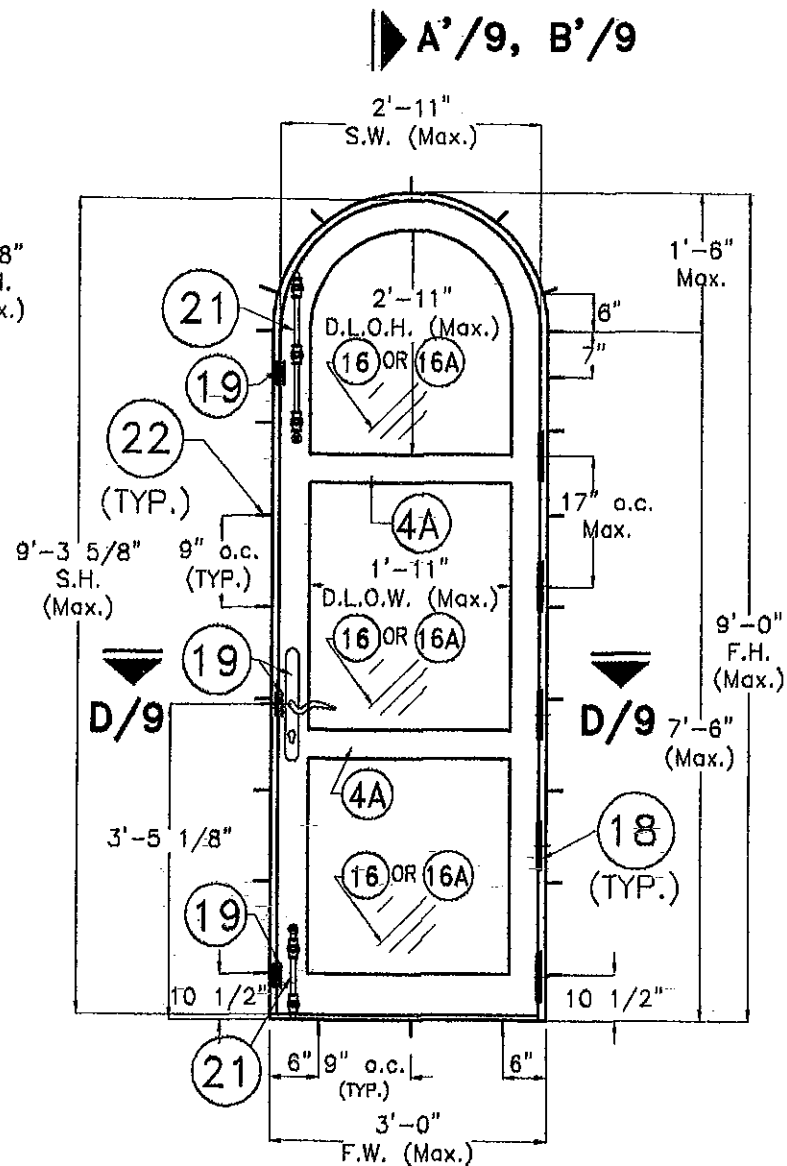
11-109  
DRAWING N°

REV N°	DESCRIPTION	DATE	REV N°	DESCRIPTION	DATE
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2	-	-	4	-	-

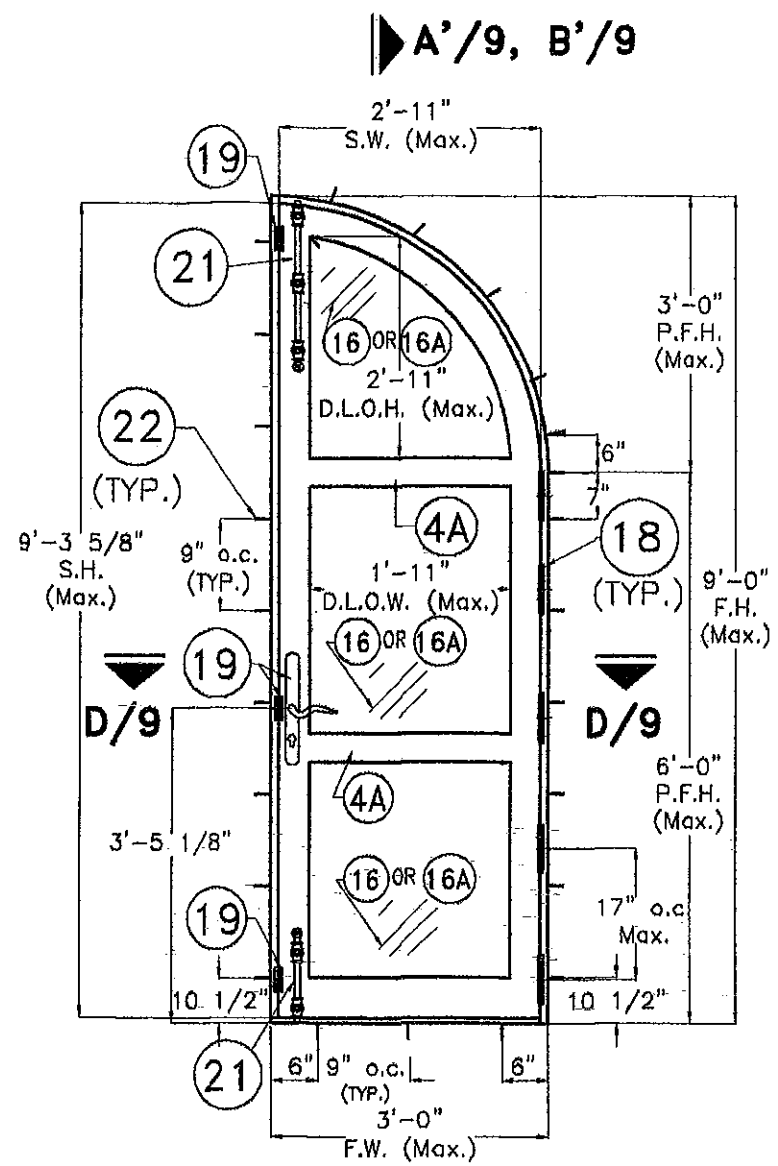
SHEET 3 OF 10



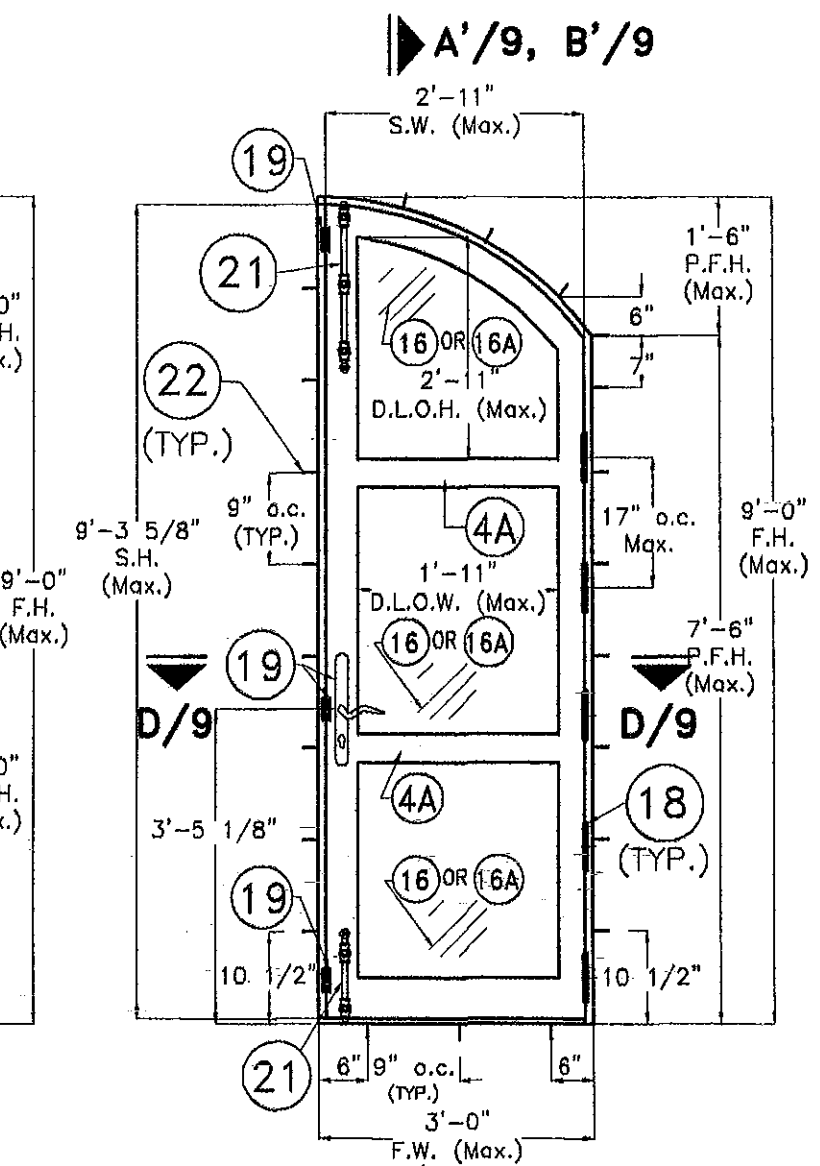
► A'/9, B'/9  
**SINGLE REGULAR  
 OUTSWING CASEMENT WINDOWS**  
 (X)



► A'/9, B'/9  
**SINGLE FULL ARCHED  
 OUTSWING CASEMENT WINDOWS**  
 (X)



► A'/9, B'/9  
**SINGLE 1/2 ARCHED  
 OUTSWING CASEMENT WINDOWS**  
 (X)



► A'/9, B'/9  
**SINGLE 1/2 ELLIPTICAL  
 OUTSWING CASEMENT WINDOWS**  
 (X)

**INTERIOR ELEVATIONS**

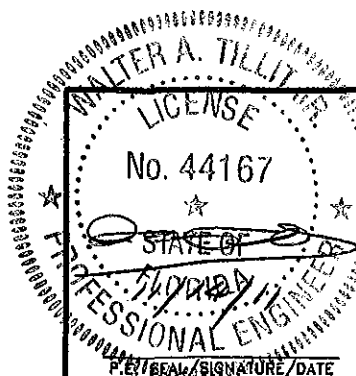
N.T.S.

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- D.L.O.H. : DAYLIGHT OPENING HEIGHT
- P.F.H. : PARTIAL FRAME HEIGHT

**MAX. (A.S.D.) DESIGN PRESSURE RATING:  
 SINGLE CASEMENT WINDOWS WITH  
 (2) CREMONE SURFACE BOLTS (21)  
 + 3 POINT LOCK (19)**

POSITIVE	60 psf
NEGATIVE	65 psf



**FLORIDA BUILDING CODE (High Velocity Hurricane Zone)**

**TILTECO INC.**  
 TILLIT TESTING & ENGINEERING COMPANY  
 6355 N.W. 39th St., Ste. 305 - VIRGINIA GARDENS, FL 33166  
 Phone : (305) 871-1530, Fax : (305) 871-1531  
 e-mail: tilteco@aol.com  
 EB-0006719  
 WALTER A. TILLIT JR., P.E.  
 FLORIDA Lic. # 44167

**DOUBLE & SINGLE OUTSWING CASEMENT WINDOWS**

**IMPACT PRECIOUS WOOD, INC.**  
 5701 NW 74 AVE, #A  
 MIAMI, FL 33166  
 PH: (786) 222-0427, FAX: (305) 428-3011

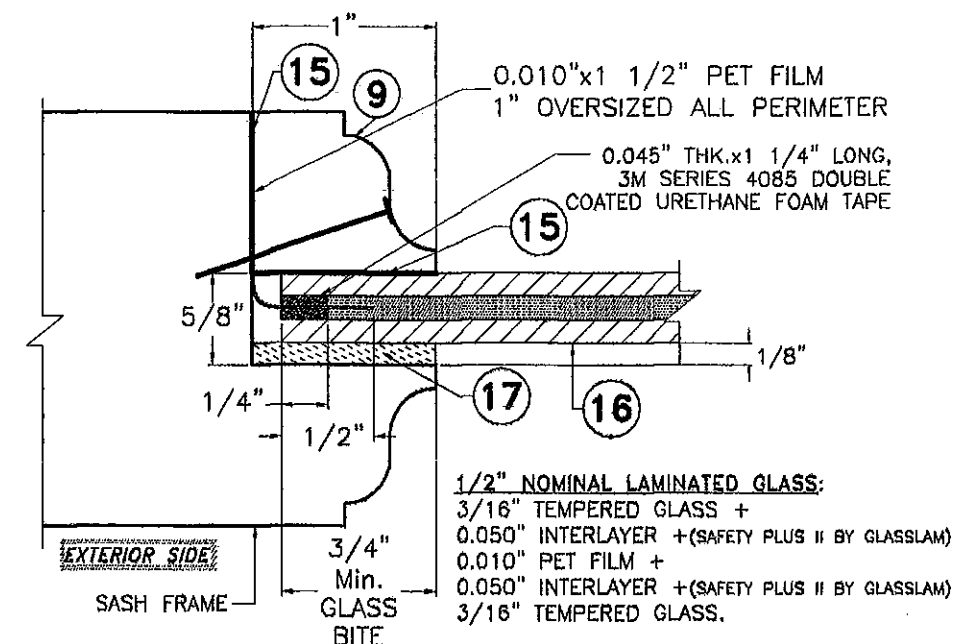
R.E./A.G. DRAWN BY:  
 11/10/11 DATE:  
 11-109 DRAWING N°  
 SHEET 4 OF 10

REV. N°	DESCRIPTION	DATE	REV. N°	DESCRIPTION	DATE
1	OLD 11-079	11/10/11	3	-	-
2	-	-	4	-	-

**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 11-0817.11  
 Expiration Date 10/27/2016  
 By [Signature]  
 Miami Dade Product Control

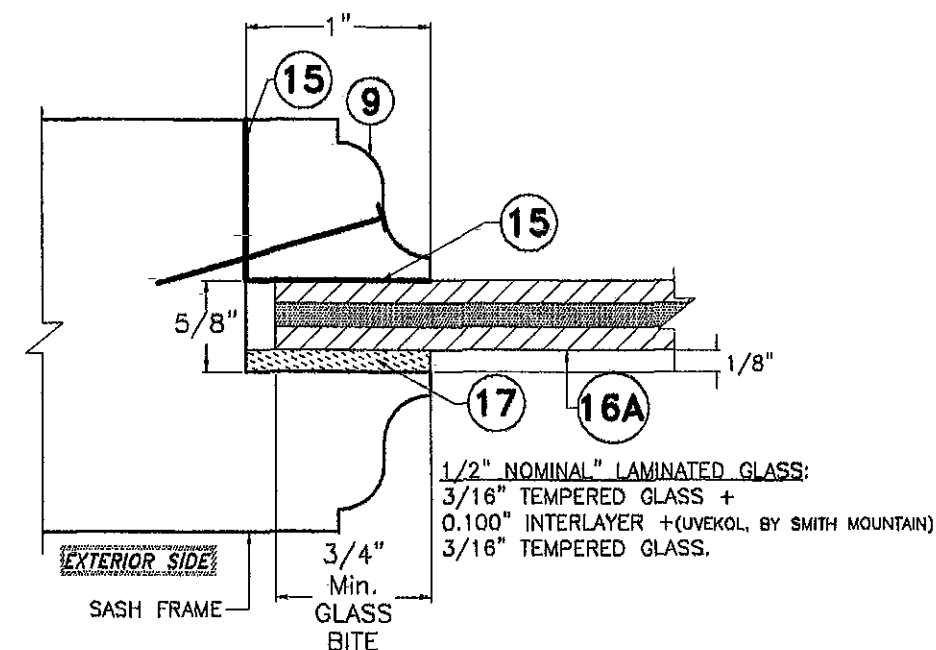


BILL OF MATERIALS				
ITEM #	REQ'D.	DESCRIPTION	SIZE	MATERIAL & REMARKS
1	1	FRAME HEAD	1.78" x 6.09"	MAHOGANY WOOD
2	1	FRAME SILL	1.92" x 6.125"	MAHOGANY WOOD
3	2	FRAME JAMB	1.78" x 6.09"	MAHOGANY WOOD
4	2	TOP RAIL	2.25" x 6.125"	MAHOGANY WOOD
4A	1	INTERMEDIATE RAIL	2.25" x 4.715"	MAHOGANY WOOD
5	2	BOTTOM RAIL	2.25" x 6.996"	MAHOGANY WOOD
6	2	HINGE STILE	2.25" x 6.125"	MAHOGANY WOOD
7	1	LOCK STILE	2.25" x 6.841"	MAHOGANY WOOD @ ACTIVE
8	1	ASTRAGAL LOCK STILE	2.25" x 6.541"	MAHOGANY WOOD @ IN-ACTIVE
9	AS REQ'D.	MAHOGANY WOOD BEAD	7/8" x 1"	ATTACHED TO SASH W/ 16 gage x 1 1/2" FINISHING NAILS SPACED AT 2" FROM CORNERS & 10" o.c.
11	AS REQ'D.	CLOSED CELL FOAM STRIP	1/2" x 5/8" FOAM TAPE	FULL LENGTH OF SILL
12	1	THRESHOLD (DOOR STOP) MAHOGANY	3/4" x 4" x 6'-2 1/4" LONG.	ATTACHED TO SILL W/ # 8 x 1 1/2" F.H. WOOD SCREW FIRST 6", @ 20" O.C.
13	AS REQ'D.	Q-LON DOOR SEAL AT FRAME	PROFILE 5/8" w x 1.00" h	SCHLEGEL # QDS 650
14	AS REQ'D.	Q-LON WEATHER SEAL AT SASH	PROFILE 3/8" w x 5/8" h	SCHLEGEL # QEZD 320
15	AS REQ'D.	SEALANT - CLEAR SILICONE	FRAME & FASTENER INSTALLATION SEALANT	"GE" STOCK No. GE012A
16	AS REQ'D.	1/2" (NOMINAL) IMPACT RESISTANT LAMINATED GLASS	0.470" Min. THICK = 3/16" TEMPERED + 0.100" INTERLAYER + 3/16" TEMPERED	INTERLAYER CONSIST OF SAFETY-PLUS II LAMINATED GLASS BY GLASSLAM NGI INC. W/ EDGE PET FILM
16A	AS REQ'D.	1/2" (NOMINAL) IMPACT RESISTANT LAMINATED GLASS	0.470" Min. THICK = 3/16" TEMPERED + 0.100" INTERLAYER + 3/16" TEMPERED	INTERLAYER CONSIST OF UVEKOL S LAMINATED GLASS BY SMITH MOUNTAIN, INC.
17	AS REQ'D.	GLAZING - CLEAR SILICONE	7/8" WIDE & 1/8" THICK	"DOW CORNING" No. 995 SILICONE
18	AS REQ'D.	STEEL HINGES W/ POLYESTER COATING	3 1/16" x 6 1/4" x 1/8"	HERRAJE SIDANEZ, S.A. # AR06, WITH (8) #10x1 1/2" WOOD SCREWS (5) REQ'D/LEAF AT FULL ARCHED/ELLIPTICAL WINDOWS & (8) REQ'D/LEAF AT REGULAR WINDOWS
19	1	3 POINT LOCK WITH BRASS KEEP SET	45 mm B.S. FULL HEIGHT	SCHLEGEL SL-16 LOCK-STAINLESS STEEL
20	2	FABHERR THREE POINT CREMONES	FULL HEIGHT	STEEL W/ POLYESTER COATING
21	2/SASH	CREMONE SURFACE BOLT	Min. 12", 22" LONG	12" LONG @ BOTTOM, 22" LONG @ TOP
22	AS REQ'D.	FRAME INSTALLATION SCREWS	1/4" F.H. TAPCONS W/ 1 1/4" Min. EMBEDMENT INTO CONCRETE OR BLOCK OR BLOCK & 1 1/2" INTO WOOD.	ELCO CONSTRUCTION PRODUCTS, SPACED AT 9" o.c. Max. STARTING AS SHOWN ON ELEVATIONS EACH WAY FROM CORNERS MIN. EDGE DISTANCE = 2 1/2" INTO CONCRETE OR BLOCK & 1" INTO WOOD
24	AS REQ'D.	CORNER CONSTRUCTION GLUE	APPLIED AT ALL MORTISE & TENON SURFACES	CHEMICAL BOND WW25
25	1	STRIKE PLATE FOR CREMONE AT INACTIVE DOOR LEAF LOCK	SEE DETAIL, SHEET 8	AISI 304 SERIES S.S. FASTENED TO STILE W/ (3) # 10 x 1" F.H. WOOD SCREWS
26	1	STRIKE PLATE FOR CREMONE & SURFACE BOLTS TOP & BOTTOM	1/2"x 5"x 16" x 14 GAGE	AISI 304 SERIES S.S. FASTENED TO SILL W/ (5) #8x1 1/2" F.H. WOOD SCREWS



GLAZING DETAIL FOR 16

N.T.S.

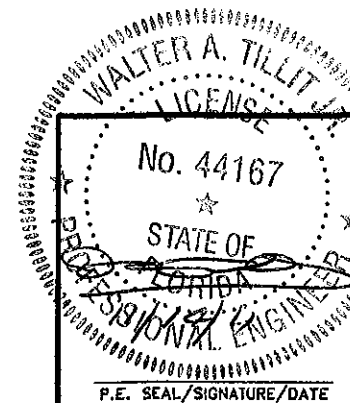


GLAZING DETAIL FOR 16A

N.T.S.

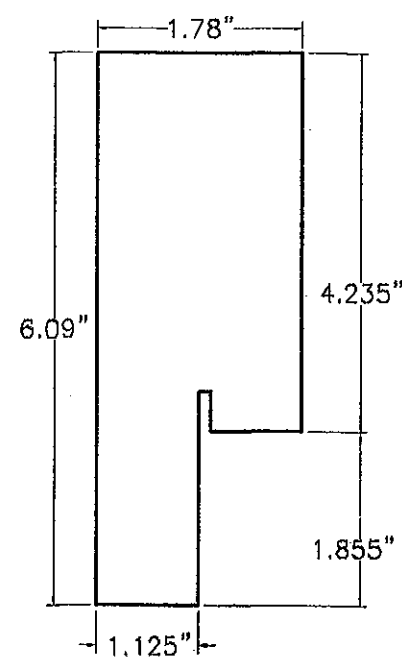
PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 11-0817  
Expiration Date 10/12/2016

By *[Signature]*  
Miami Trade Product Control



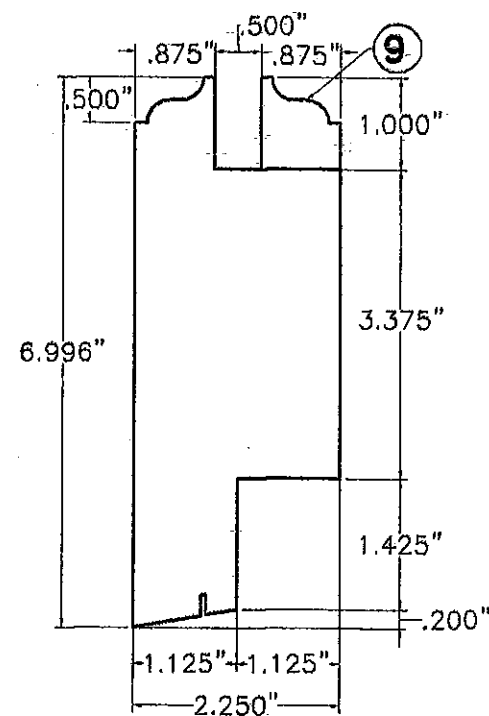
©2011 TILTECO INC.		FLORIDA BUILDING CODE (High Velocity Hurricane Zone)	
<b>TILTECO INC.</b> TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 38th St., Ste. 305 - VIRGINIA GARDENS, FL 33166 Phone: (305) 871-1530, Fax: (305) 871-1531 e-mail: tiltco@aol.com EB-0006719 N.T.S. WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167		DOUBLE & SINGLE OUTSWING CASEMENT WINDOWS <b>IMPACT PRECIOUS WOOD, INC.</b> 5701 NW 74 AVE, #A MIAMI, FL 33166 PH: (786) 222-0427, FAX: (305) 428-3011	
R.E./A.G. DRAWN BY: 11/10/11 DATE: 11-109 DRAWING N°		SHEET 5 OF 10	



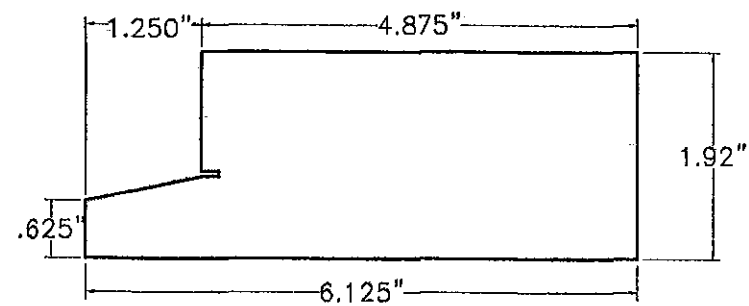


① **FRAME HEAD**

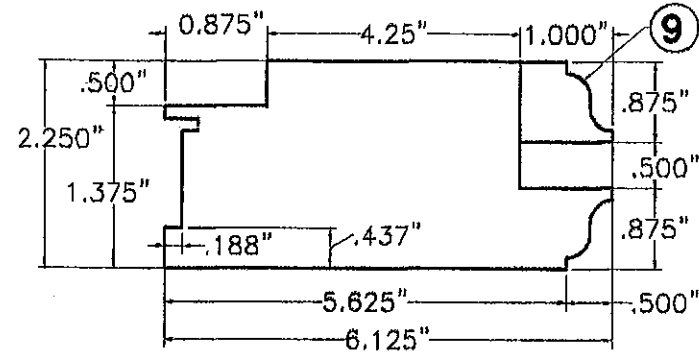
③ **FRAME JAMB**



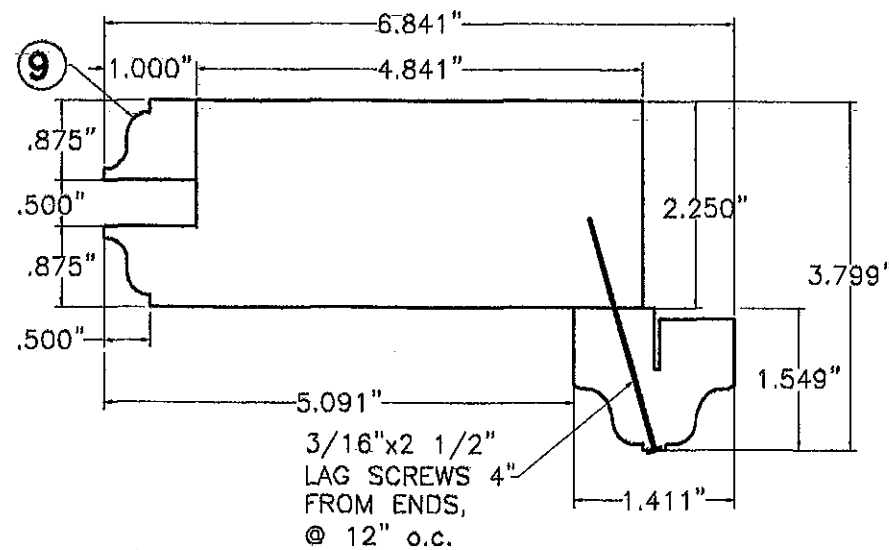
⑤ **BOTTOM RAIL**



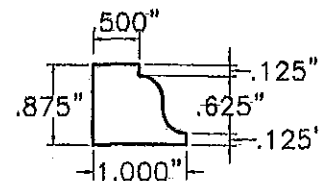
② **FRAME SILL**



④ **TOP RAIL**  
⑥ **HINGE STILE**



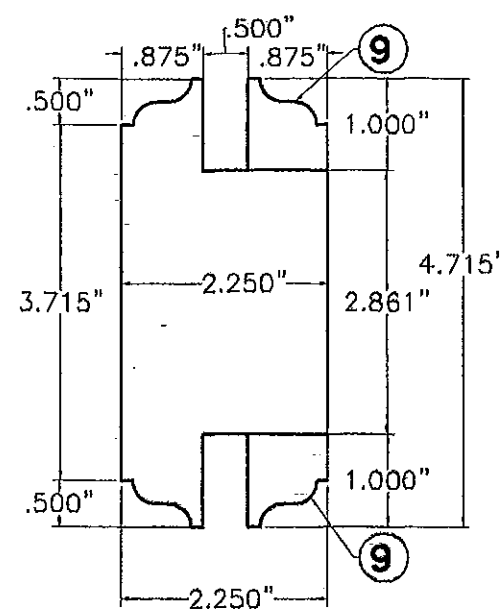
⑦ **LOCK STILE (ACTIVE)**



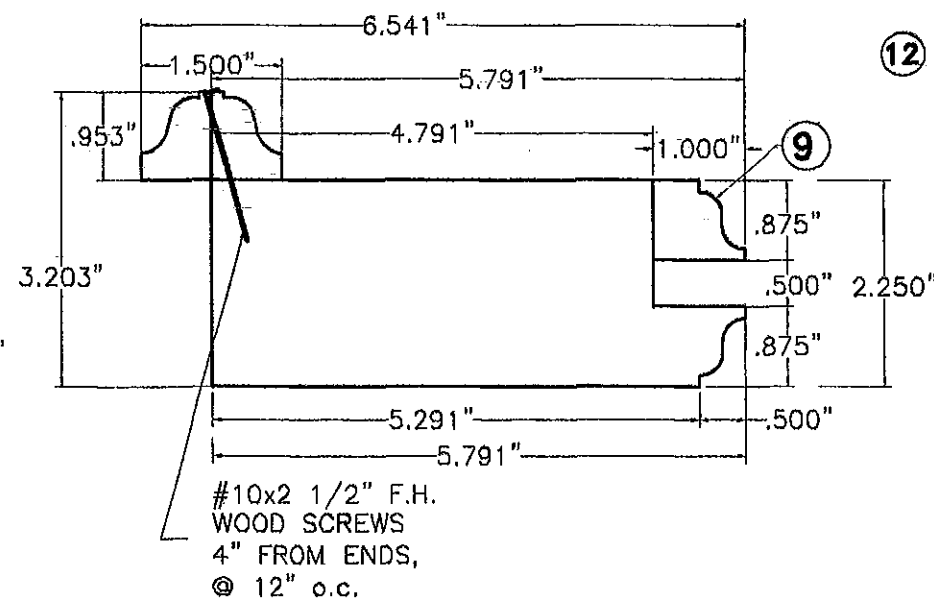
⑨ **MAHOGANY WOOD BEAD**

## WOOD COMPONENTS

N.T.S.

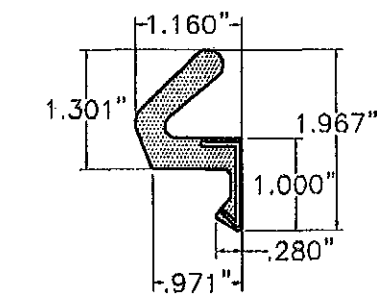


④A **INTERMEDIATE RAIL**

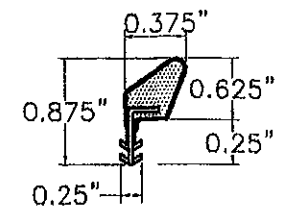


⑧ **ASTRAGAL LOCK STILE (INACTIVE)**

#10x2 1/2" F.H.  
WOOD SCREWS  
4" FROM ENDS,  
@ 12" o.c.



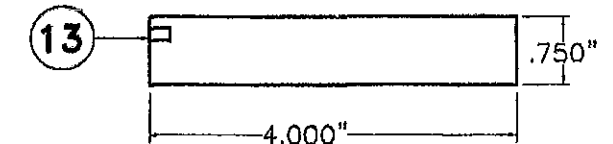
⑬ **Q-LON DOOR SEAL**



⑭ **Q-LON WEATHER SEAL**

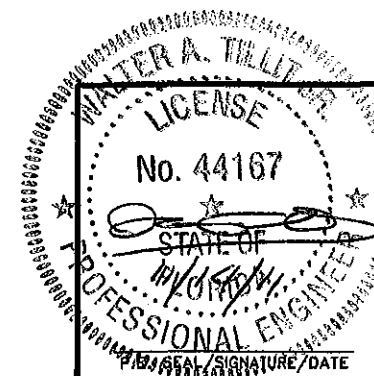
## SEAL COMPONENTS

N.T.S.



⑫ **DOOR STOP (THRESHOLD) AT SILL**

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Expiration Date 12/12/2016  
By *[Signature]*  
Miami Dade Product Control

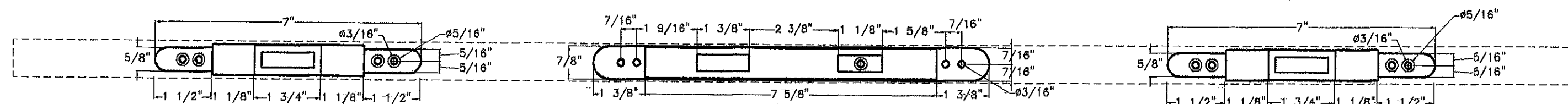
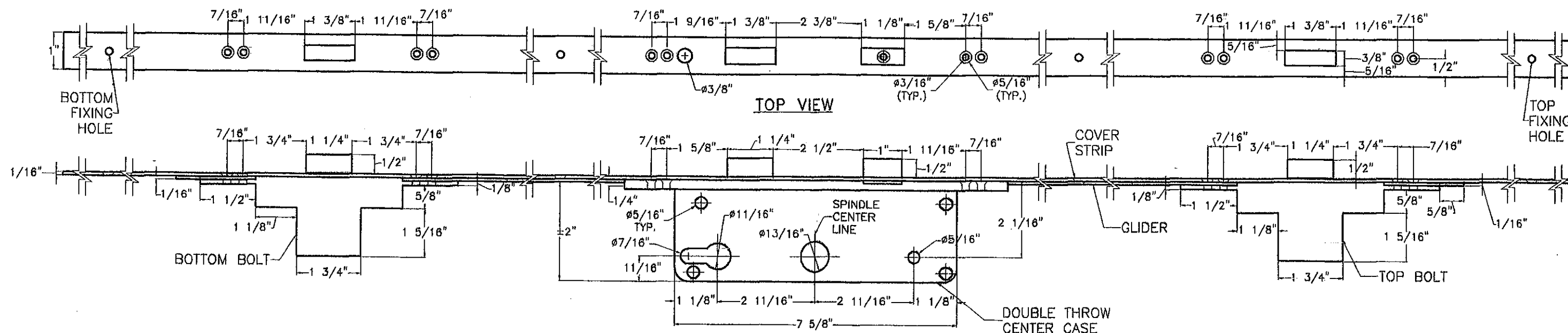


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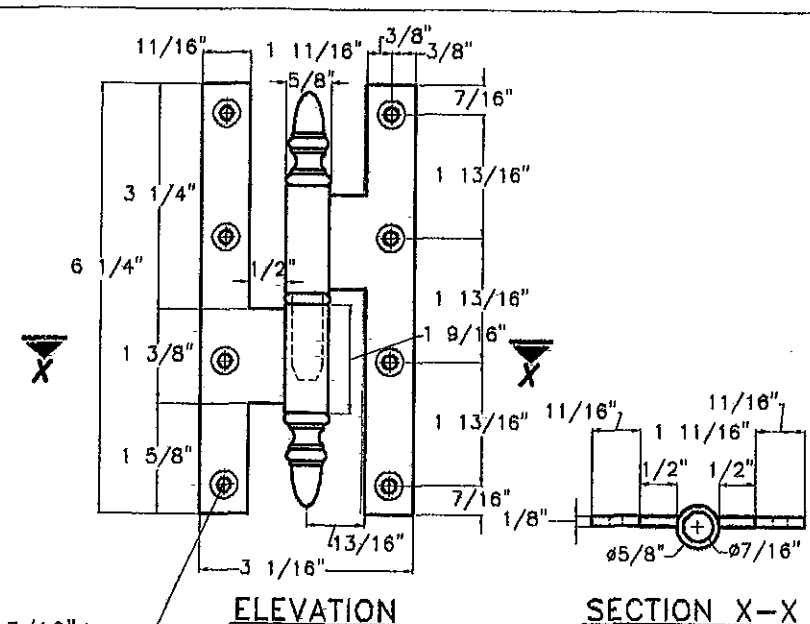
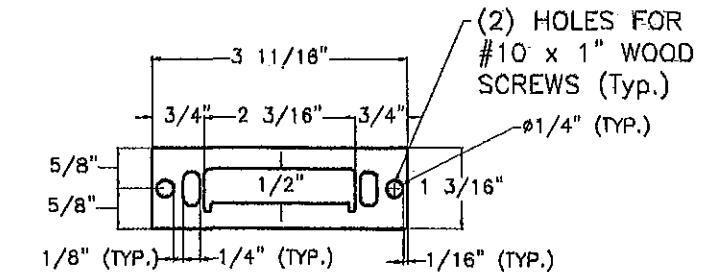
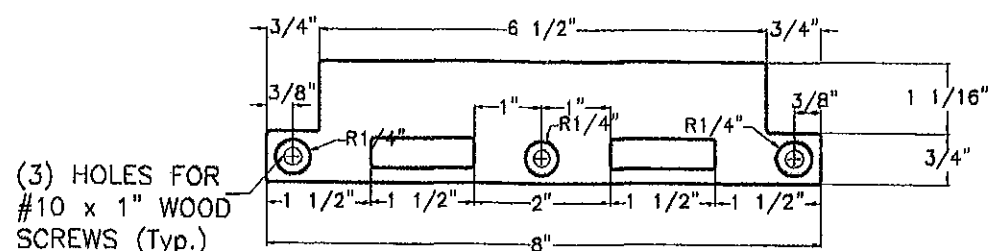
**TILTECO INC.**

TILLIT TESTING & ENGINEERING COMPANY  
6355 N.W. 38th St., Ste. 305 - VIRGINIA GARDENS, FL 33166  
Phone: (305) 871-1530, Fax: (305) 871-1531  
e-mail: tilteco@aol.com  
EB-0006719  
WALTER A. TILLIT JR., P.E.  
FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)					
DOUBLE & SINGLE OUTSWING CASEMENT WINDOWS				R.E./A.G. DRAWN BY:	
IMPACT PRECIOUS WOOD, INC.				11/10/11 DATE:	
5701 NW 74 AVE, #A MIAMI, FL 33166				11-109 DRAWING N°	
PH: (786) 222-0427, FAX: (305) 428-3011				SHEET 6 OF 10	
REV #	DESCRIPTION	DATE	REV #	DESCRIPTION	DATE
1	QLO 11-079	11/10/11	3	-	-
2	-	-	4	-	-



**45mm DOUBLE THROW CENTER CASE**  
**BOTTOM VIEW LOOKING UP**

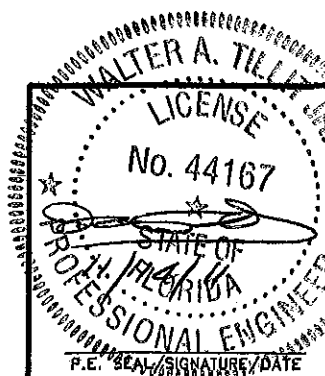


**18 HINGE**  
 SCALE: 3/8" = 1"

(8) 3/16" Ø HOLES FOR #10x1 1/2" F.H. WOOD SCREWS

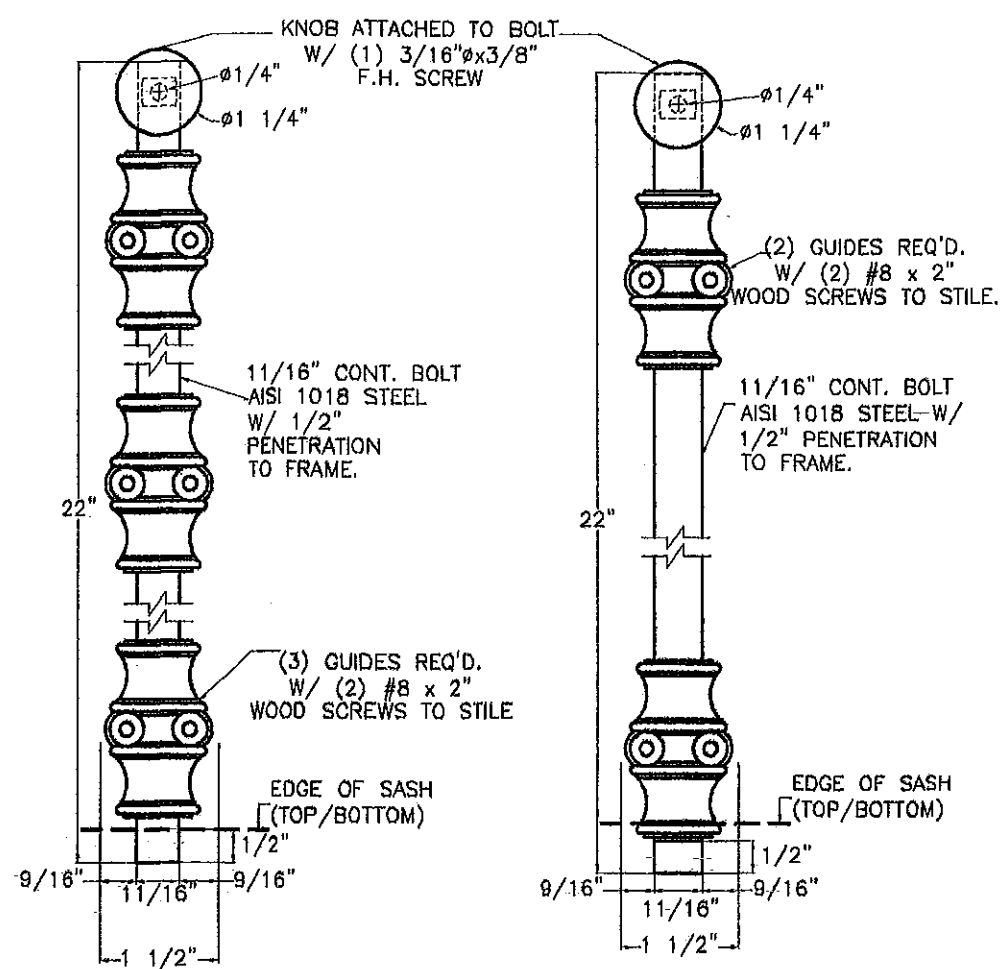
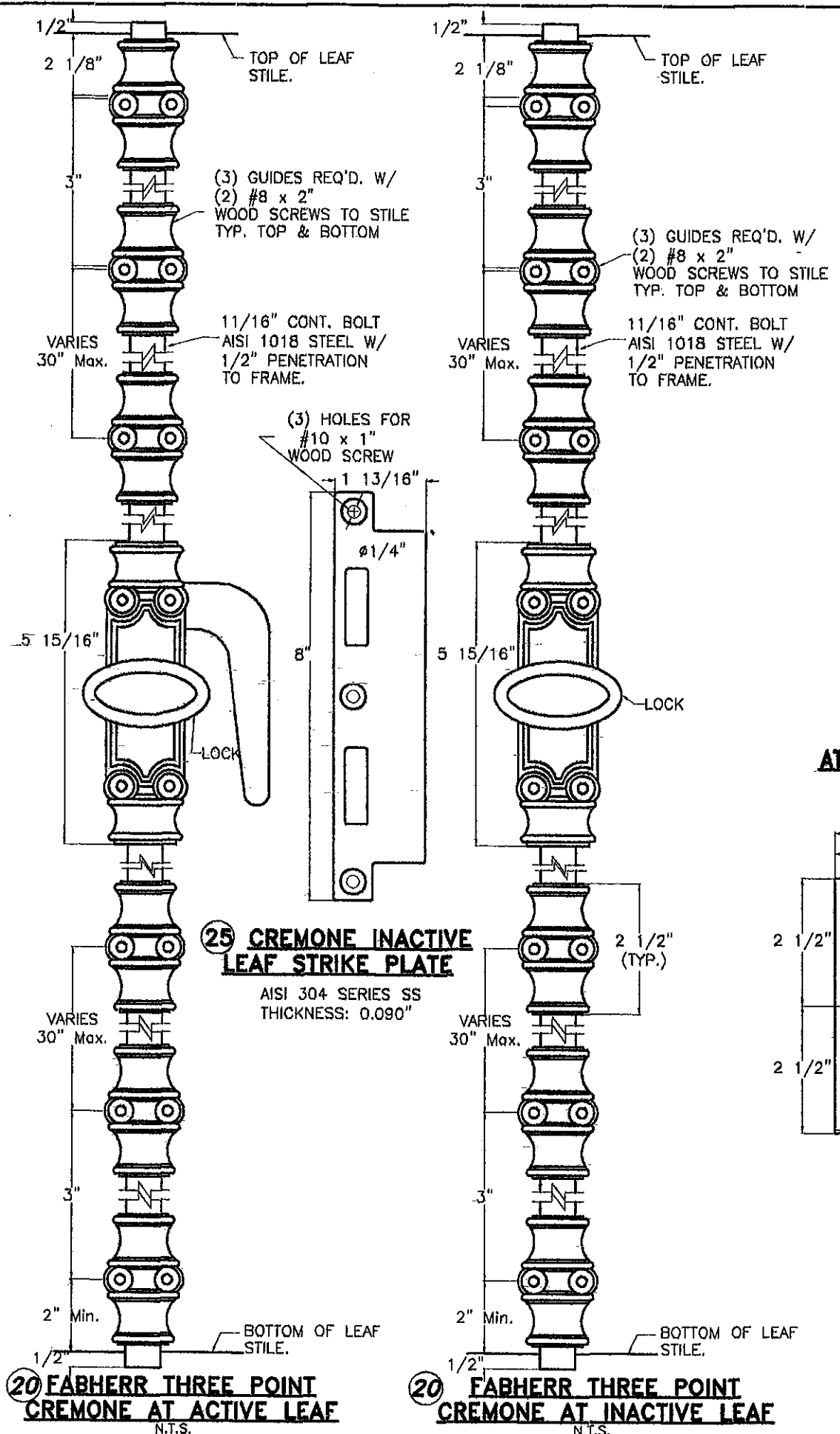
**19 SL-16 45mm BACKSET DOUBLE THROW 3 POINT LOCK**  
 N.T.S.

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 as complying with the Florida  
 Building Code  
 Acceptance No. 11-0817  
 Expiration Date 10/12/2016  
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 Miami Dade Product Control



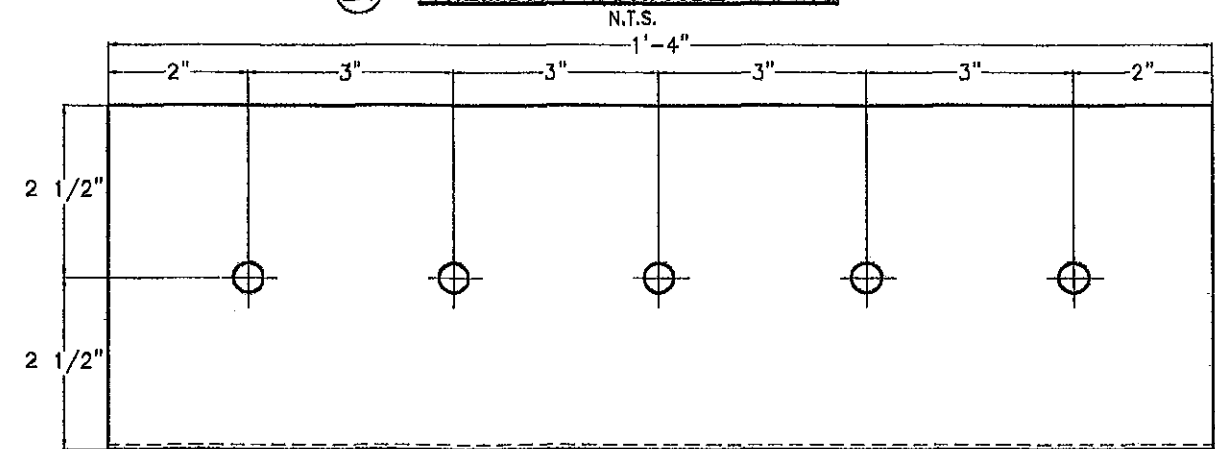
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REV N°	DESCRIPTION	DATE	REV N°	DESCRIPTION	DATE
1	OLD 11-079	11/10/11	3	-	-
2	-	-	4	-	-

SHEET 7 OF 10



AT TOP: Min. 22" LONG. 3 GUIDES AT BOTTOM: Min. 12" LONG. 2 GUIDES

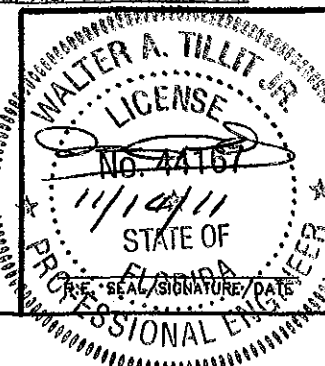
**21 CREMONE SURFACE BOLTS**



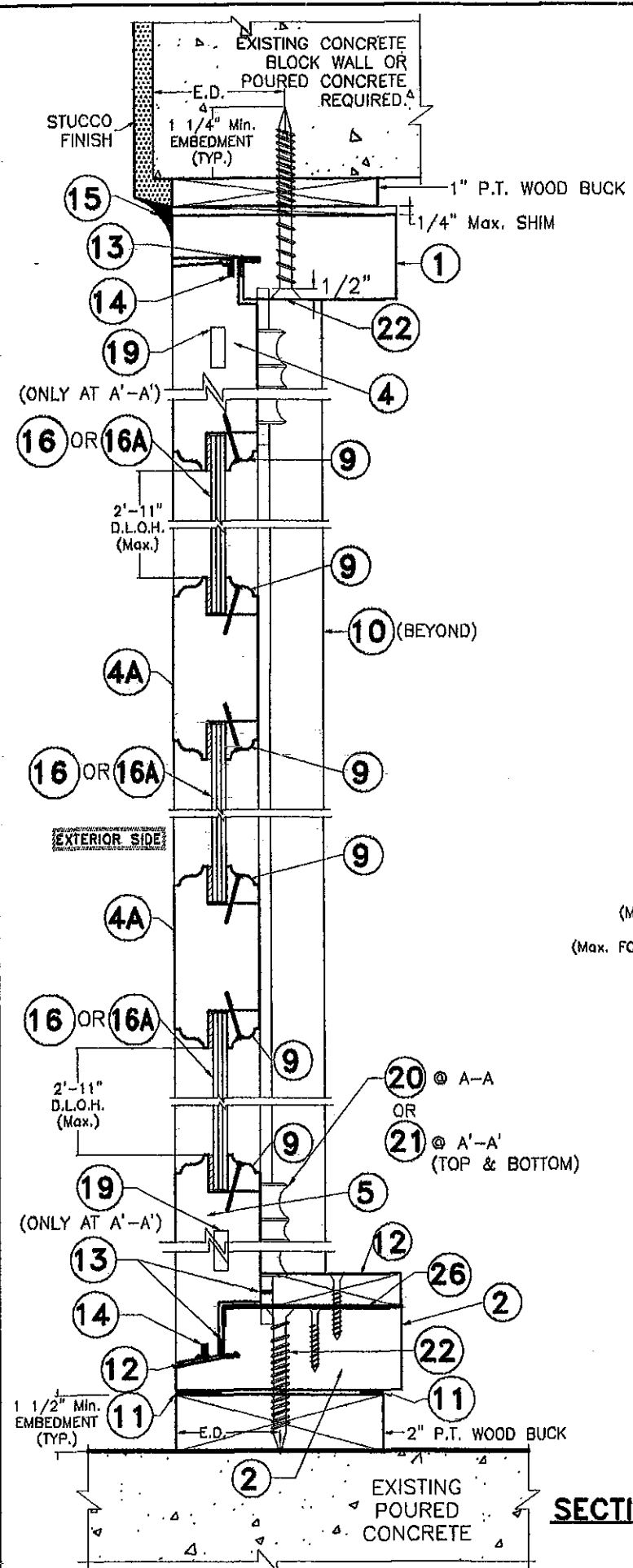
**26 STRIKE PLATE FOR CREMONE + FOR SURFACE BOLTS TOP & BOTTOM**

14 GAGE, AISI 304 SERIES S.S.

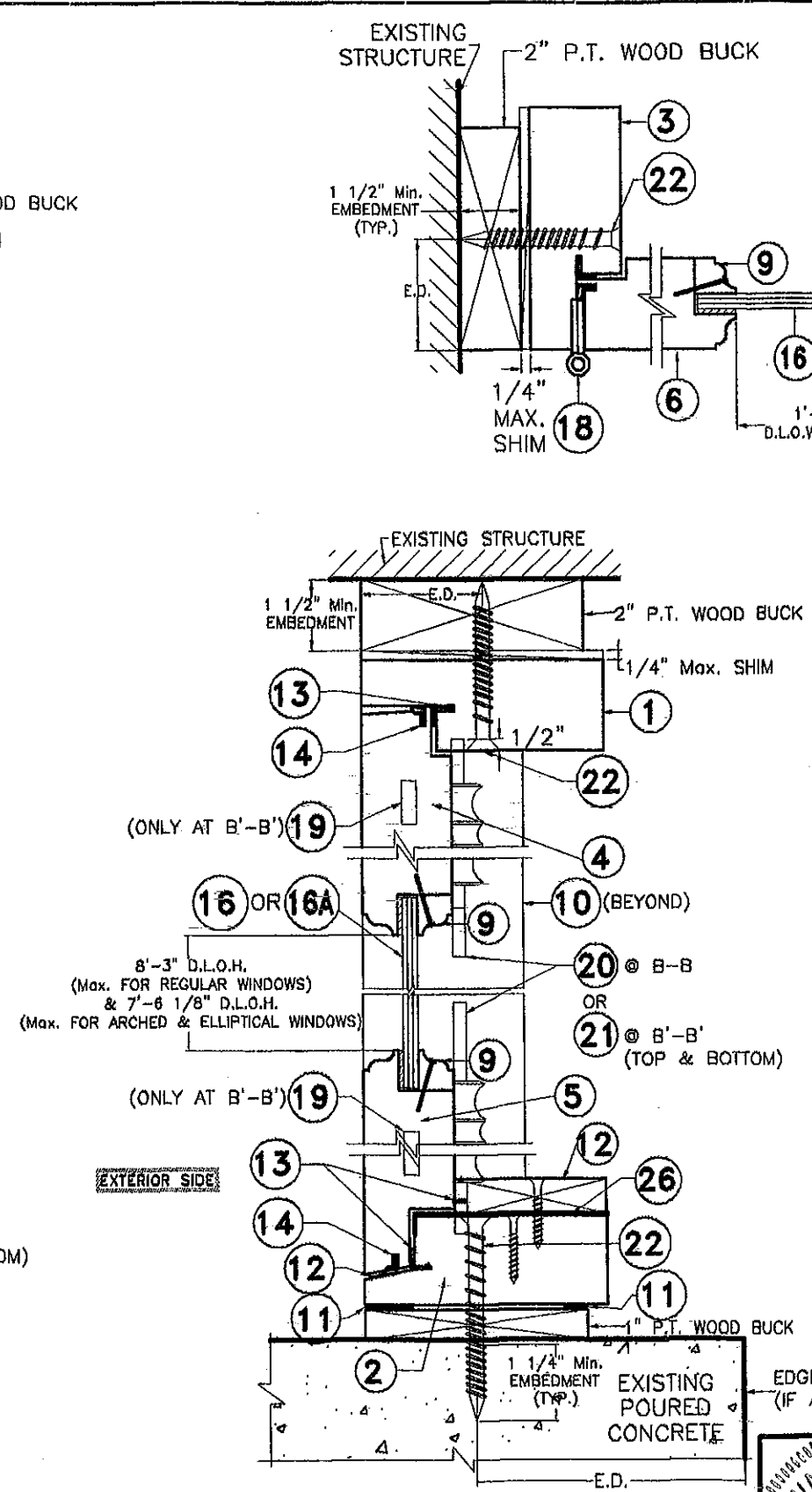
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Acceptance No. 11-0917.11  
Expiration Date 10/11/2016  
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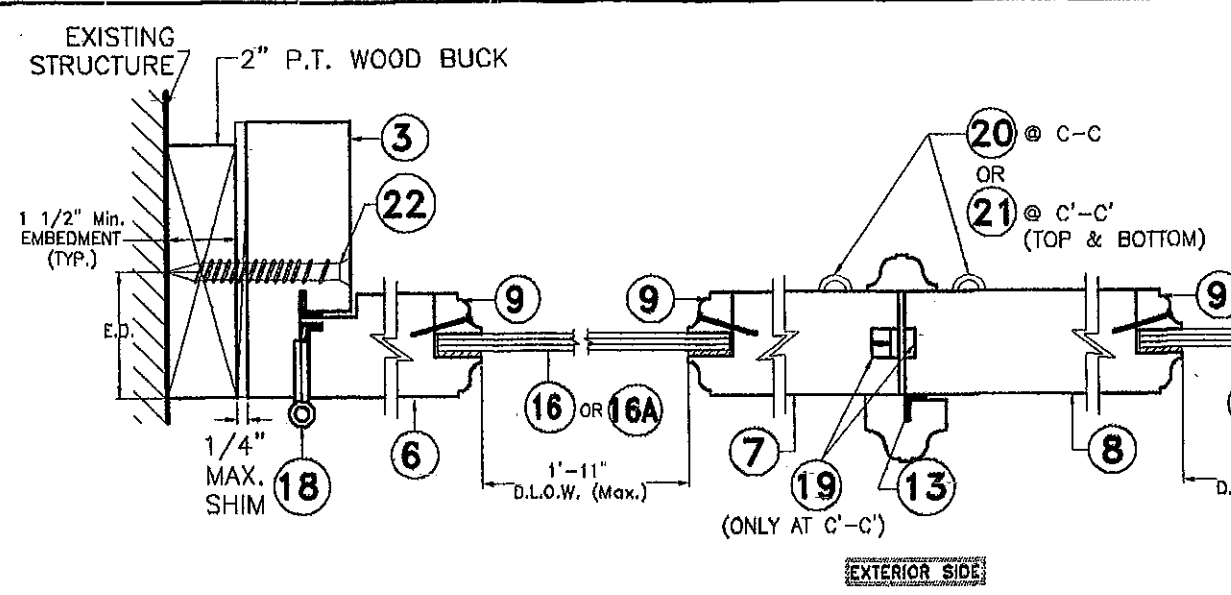
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2	-	-	4	-	-



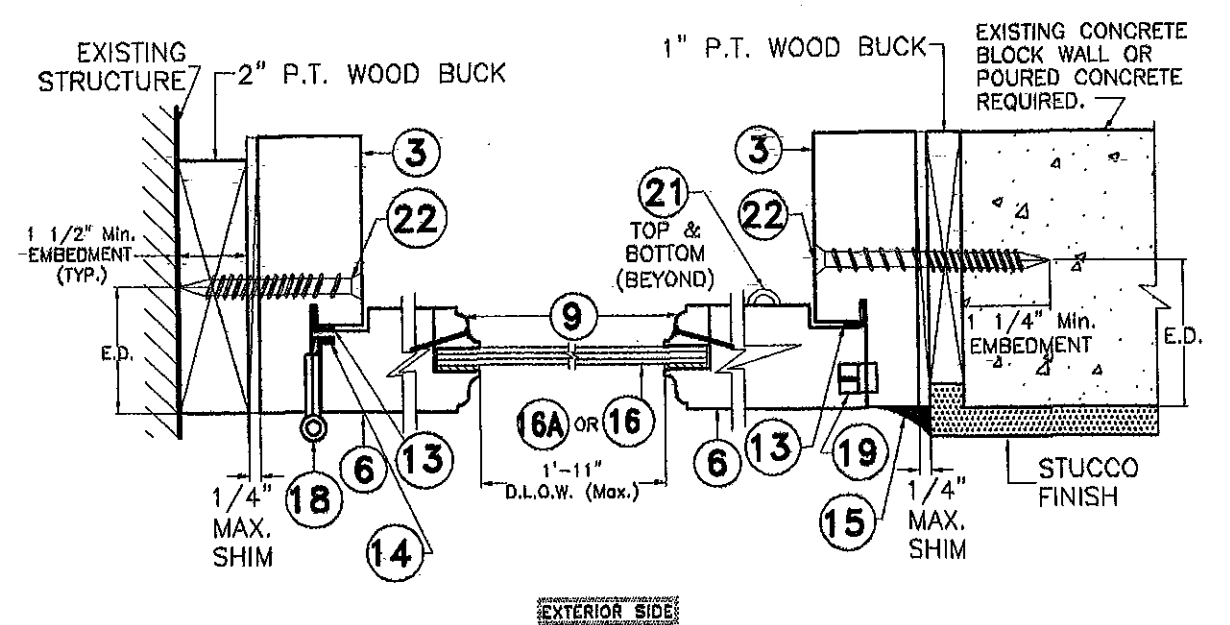
**SECTION A-A & A'-A'**  
N.T.S.



**SECTION B-B & B'-B'**  
N.T.S.



**SECTION C-C & C'-C' (XX)**  
N.T.S.



**SECTION D-D (X)**  
N.T.S.

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as complying with the Florida  
Building Code  
Acceptance No. 11-0817.11  
Expiration Date 10/12/2016  
By *[Signature]*  
Miami Dade Product Control

**WALTER A. TILLIT JR.**  
LICENSE  
No. 44487  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
P.E. SEAL SIGNATURE/DATE

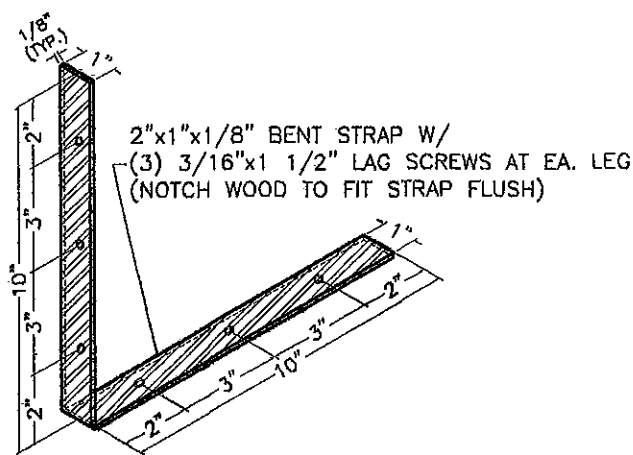
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**TILTECO INC.**  
TILLIT TESTING & ENGINEERING COMPANY  
6385 N.W. 38th St., Ste. 305 - VIRGINIA GARDENS, FL 33166  
Phone: (305) 871-1530, Fax: (305) 871-1531  
e-mail: tiltco@aol.com  
EB-0006719  
WALTER A. TILLIT JR., P.E.  
FLORIDA Lic. # 44167

**FLORIDA BUILDING CODE (High Velocity Hurricane Zone)**

DOUBLE & SINGLE OUTSWING CASEMENT WINDOWS			
<b>IMPACT PRECIOUS WOOD, INC.</b>			
5701 NW 74 AVE, #A MIAMI, FL 33166 PH: (786) 222-0427, FAX: (305) 428-3011			
REV #	DESCRIPTION	DATE	REV #
1	OLD 11-079	11/10/11	3
2			4

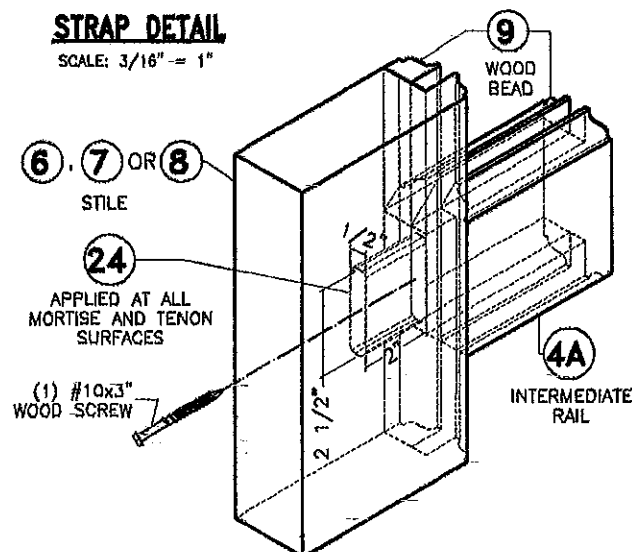
R.E./A.G.  
DRAWN BY:  
11/10/11  
DATE:  
11-109  
DRAWING N°

SHEET 9 OF 10



#### STRAP DETAIL

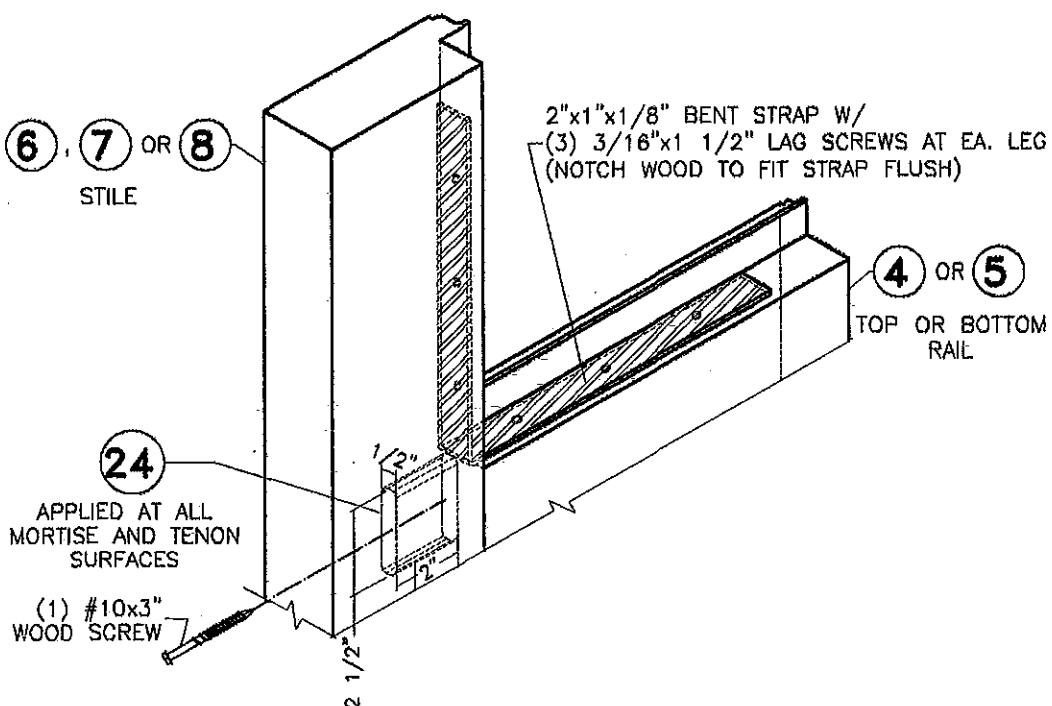
SCALE: 3/16" = 1"



#### TYPICAL SASH INTERMEDIATE CONNECTION (EXTERIOR VIEW)

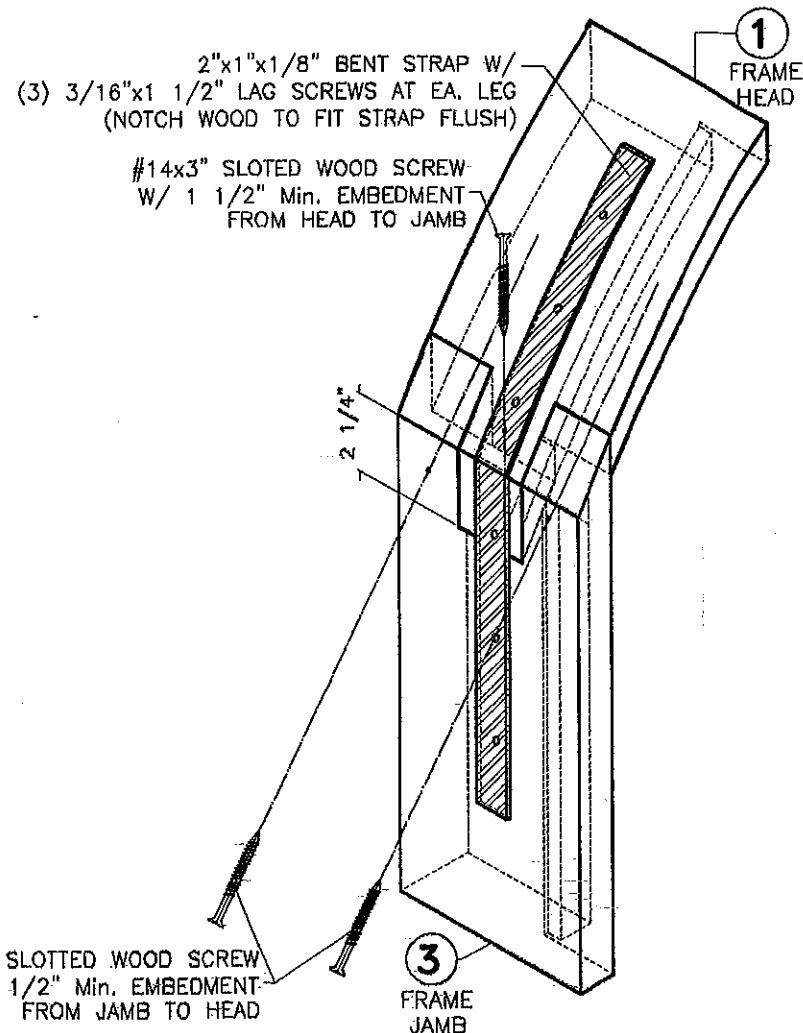
SCALE: 3/16" = 1"

(2) #14x3" SLOTTED WOOD SCREW  
W/ 1 1/2" Min. EMBEDMENT  
FROM JAMB TO HEAD



#### TYPICAL SASH TOP/BOTTOM CONNECTION (EXTERIOR VIEW)

SCALE: 3/16" = 1"

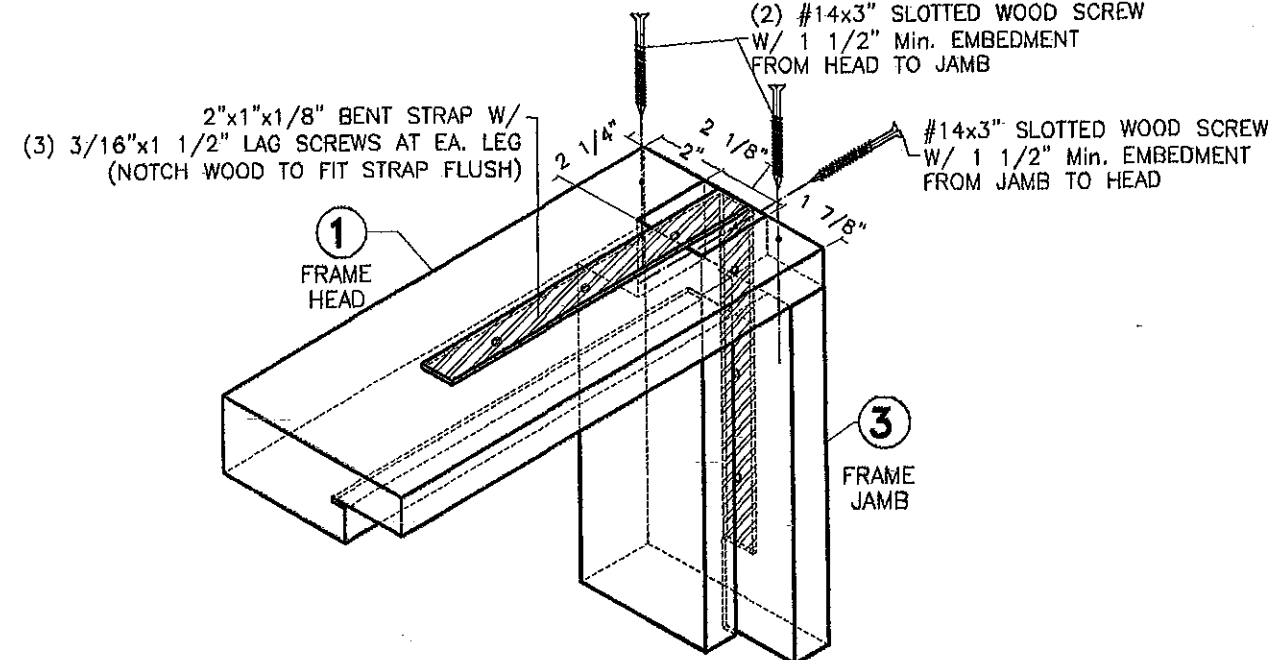


#### TYPICAL ARCHED/ELLIPTICAL FRAME TOP CONNECTION

SCALE: 3/16" = 1"

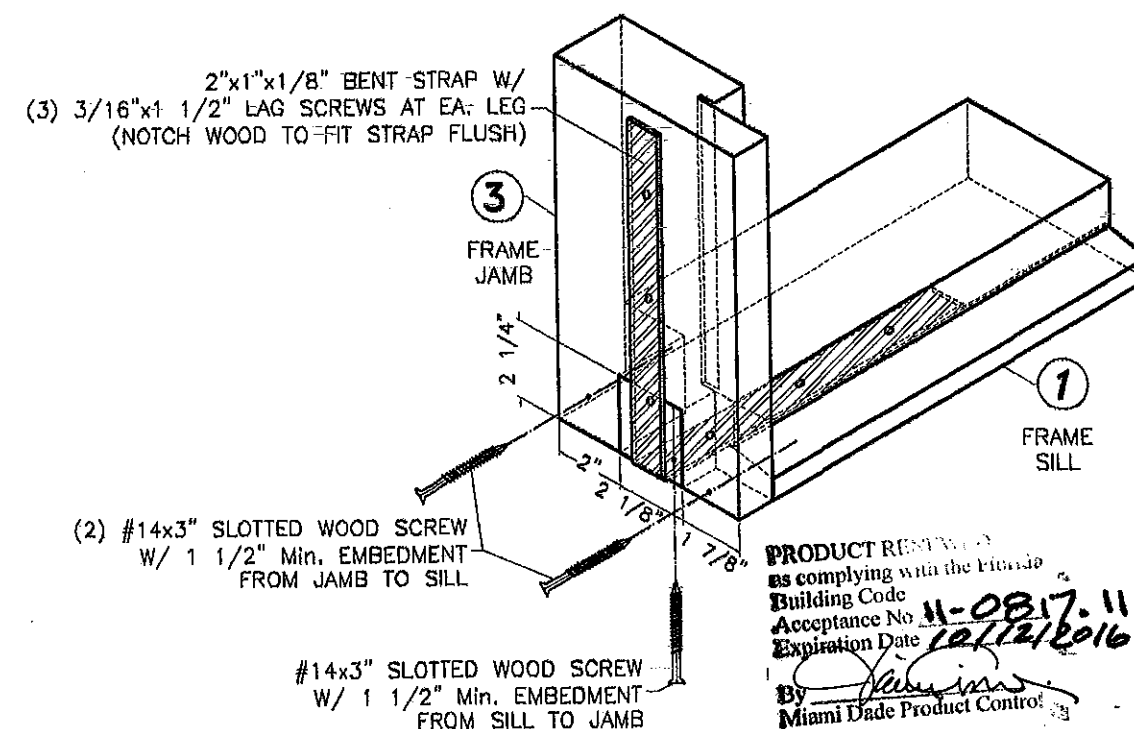
#### INSTALLATION SEALANT NOTE:

FRAME AND ALL EXPOSED INSTALLATION FASTENERS MUST BE PROPERLY SEALED WITH SEALANT (15).



#### TYPICAL REGULAR FRAME TOP CONNECTION

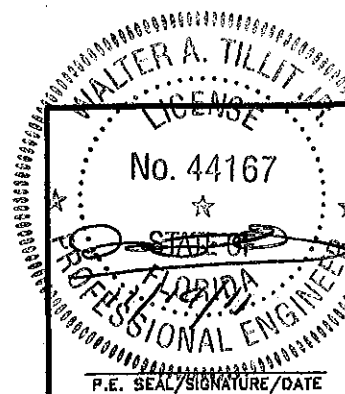
SCALE: 3/16" = 1"



#### TYPICAL FRAME BOTTOM CONNECTION

SCALE: 3/16" = 1"

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DOUBLE & SINGLE OUTSWING CASEMENT WINDOWS				R.E./A.G. DRAWN BY:	
IMPACT PRECIOUS WOOD, INC.				11/10/11 DATE:	
5701 NW 74 AVE, #A MIAMI, FL 33166 PH: (786) 222-0427, FAX: (305) 428-3011				11-109 DRAWING N°	
REV N°	DESCRIPTION	DATE	REV N°	DESCRIPTION	DATE
1	OLD 11-079	11/10/11	3	-	-
2	-	-	4	-	-